



Activity Report on

“ISTE Approved 6 Days STTP on Basics of Java Programming”

- **Title of the Program :-** 6 Days Short Term Training Program (STTP) on Basics of Java Programming
- **Organized by:-** Information Technology Department, MGI-COET, Shegaon.
- **Date :-** 23rd June 2025 to 28th June 2025
- **Time:** 10:00 AM to 5:00 PM
- **Approved by :-** Indian Society for Technical Education (ISTE)
- **Venue:-** Room No.133, First Floor, MGI-COET, Shegaon, Maharashtra.
- **Duration :-** 6 Days
- **Audience:-** Students (80) and Faculty (3) Total= 83
- **Mode :-** Offline
- **Instructor:** 1) Mr. Rahul Salunkay (Founder, RS Softech Pvt.Ltd,Pune)
2) Mr. Dattatray Dudhamogre (Technical Head, RS Softech Pvt.Ltd, Pune)

Objective of the Training Program

The objective of "Basics of Java Programming" is to equip learners with fundamental concepts like syntax, data types, control flow, and object-oriented principles (classes, objects). This foundational knowledge enables them to write, compile, and execute simple Java programs, laying the groundwork for more advanced software development.

Overview of the Program

The Overview of Basics of Java programming cover foundational concepts essential for building software. This includes understanding Java's syntax, data types, variables, and operators. It also delves into control flow statements (if-else, loops), methods, arrays, and the core principles of Object-Oriented Programming (OOP) like classes, objects, inheritance, polymorphism, abstraction, and encapsulation. This knowledge allows for writing simple, executable Java programs.



Program Details:

Circular or Brochure: -



ISTE Chapter
Organising
One Week Short Term Training Program(STTP)
on
“Basics of Java Programming”
from
Date: 23/06/2025 to 28/06/2025
Venue: Classroom No.133,First Floor, IT Dept.
Name of Resource Person: Mr. Rahul Salunkay
(RS Softech Pvt.Ltd,Pune)



Session Highlights

Day 1: Introduction to Java

- What is Java? History, features (platform independence, OOP), and its applications (web, mobile, enterprise).
- Java Development Kit (JDK), Java Runtime Environment (JRE), and Java Virtual Machine (JVM): Understanding their roles.
- Setting up the Development Environment: Installing JDK, configuring environment variables, choosing an IDE (like Eclipse) or using a simple text editor with command line compilation.
- First Java Program ("Hello World"): Writing, compiling (`javac`), and running (`java`) a basic program.
- Basic Java Syntax: Comments, keywords, identifiers.
- Variables and Data Types: Primitive data types (int, double, boolean, char), declaring and initializing variables.
- Operators: Arithmetic, relational, logical, assignment operators.

Day 2: Control Flow

- Input and Output: Using `Scanner` class for user input, `System.out.println ()` for output.
- Conditional Statements: `if`, `else if`, `else` statements for decision-making.
- `switch` statements for multiple choices.
- Looping Constructs: `for` loop, `while` loop, `do-while` loop
- `break` and `continue` statements to control loop flow.

Day 3: Arrays and Methods

- Arrays, Declaring and initializing one-dimensional arrays.
- Accessing and manipulating array elements.
- Introduction to multi-dimensional arrays (e.g., 2D arrays).
- Methods (Functions): Defining and calling methods.



- Parameters and return types.
- Method overloading (same method name, different parameters).
- Understanding the concept of `main` method.

Day 4: Object-Oriented Programming (OOP) Fundamentals- Part 1

- Introduction to OOP: Concepts like objects, classes, abstraction, encapsulation, inheritance, and polymorphism.
- Classes and Objects: Defining classes, Creating objects,
- Instance variables (attributes) and instance methods (behaviors).

Day 5: Object-Oriented Programming (OOP) Fundamentals - Part 2

- Inheritance: Extending classes (`extends` keyword), `Super` keyword.
- Types of inheritance (single, multilevel, hierarchical).
- Polymorphism: Compile-time polymorphism.
- Runtime polymorphism (method overriding).
- Abstraction: Abstract classes and abstract methods.
- Interfaces: Defining contracts, Encapsulation.

Day 6: Exception Handling and Introduction to Collections

- Exception Handling:
- Understanding errors and exceptions.
- `try`, `catch`, `finally` blocks.
- `throw` and `throws` keywords.

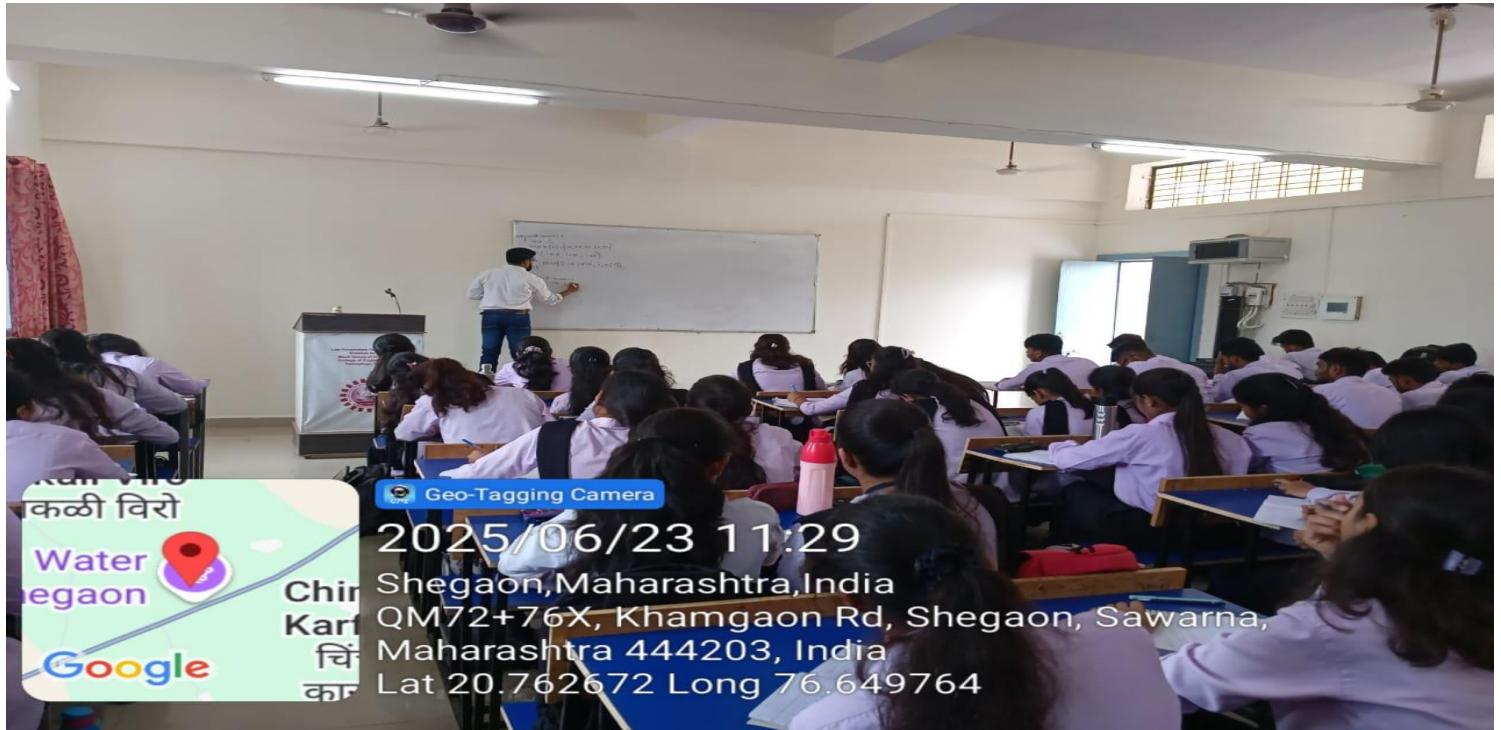


6 Days STTP Highlights





Late Purushottam Hari (Ganesh) Patil Shikshan Sanstha's
Mauli Group of Institution's,
College of Engineering & Technology, Shegaon.
Department of Information Technology
Session: 2025-2026



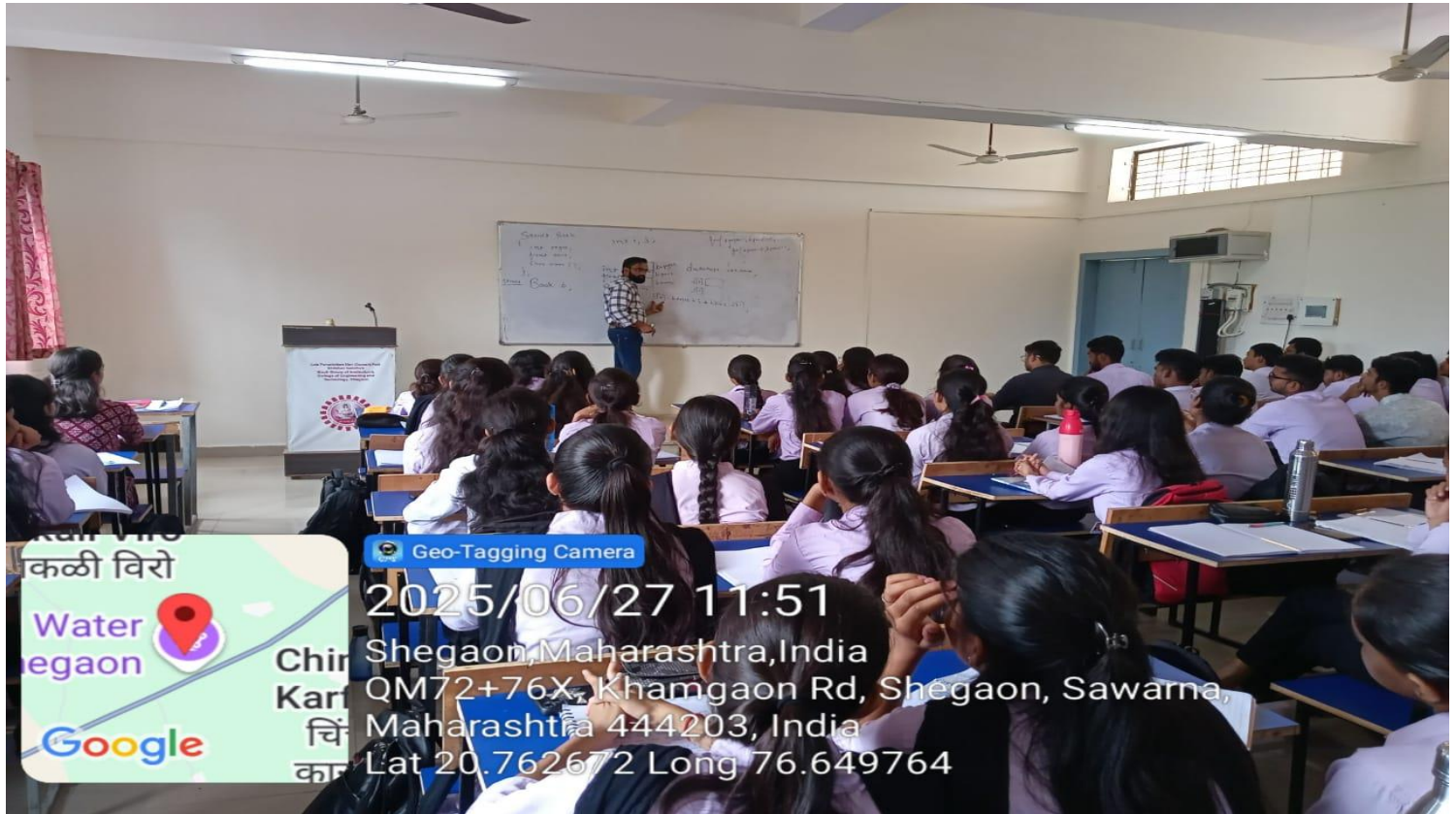


Late Purushottam Hari (Ganesh) Patil Shikshan Sanstha's
Mauli Group of Institution's,
College of Engineering & Technology, Shegaon.
Department of Information Technology
Session: 2025-2026





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Session: 2025-2026



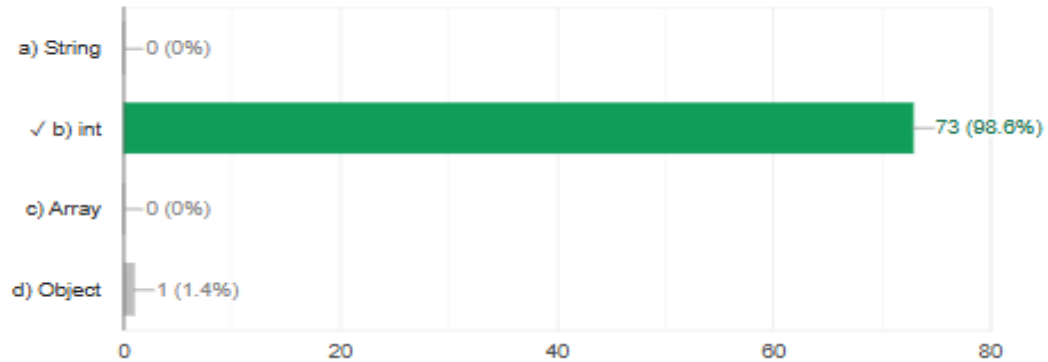


Quiz of Participant at the end of STTP

1. Which of the following is a primitive data type in Java?

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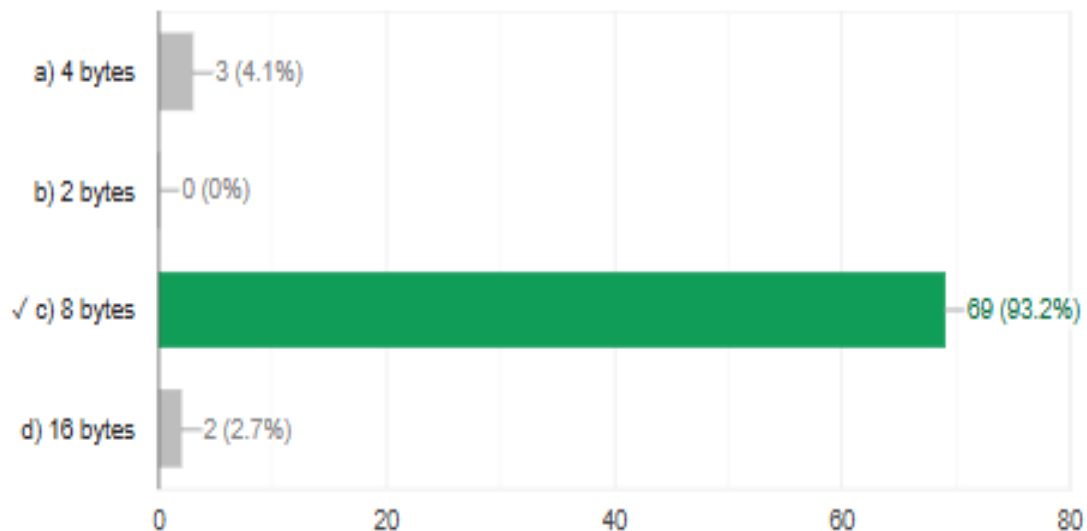
73 / 74 correct responses



2. What is the size of a double data type in Java?

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69 / 74 correct responses

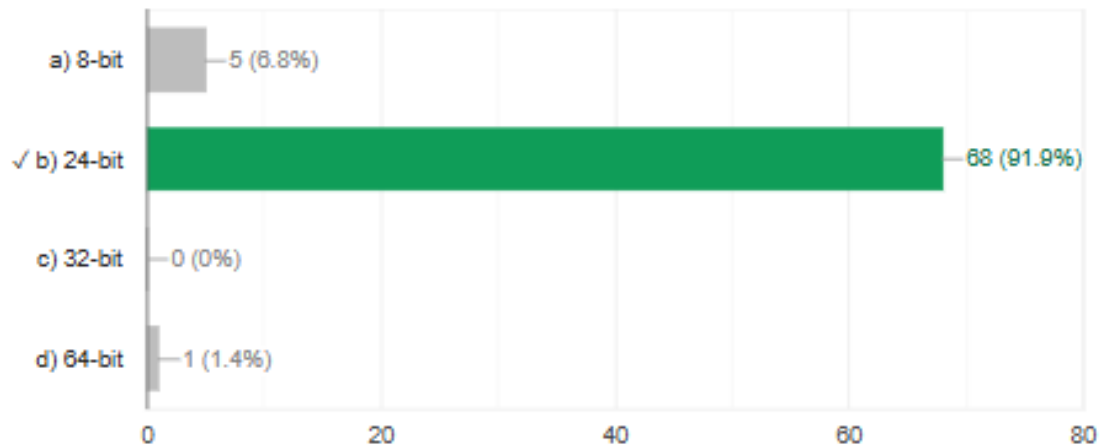




3. Which of the following is not a valid representation in bits?

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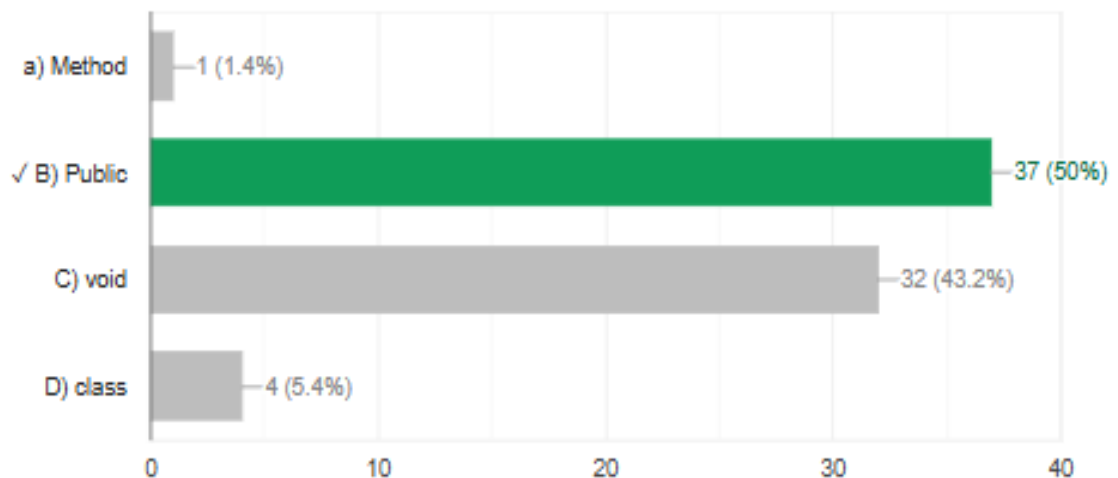
68 / 74 correct responses



4. Which keyword is used to declare a method in Java?

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37 / 74 correct responses

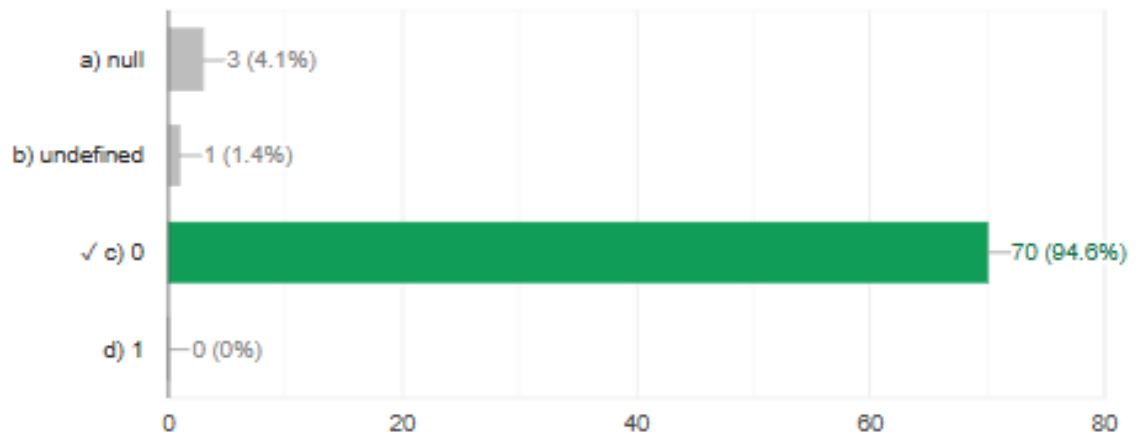




5. What is the default initial value of an element in an integer array in Java?

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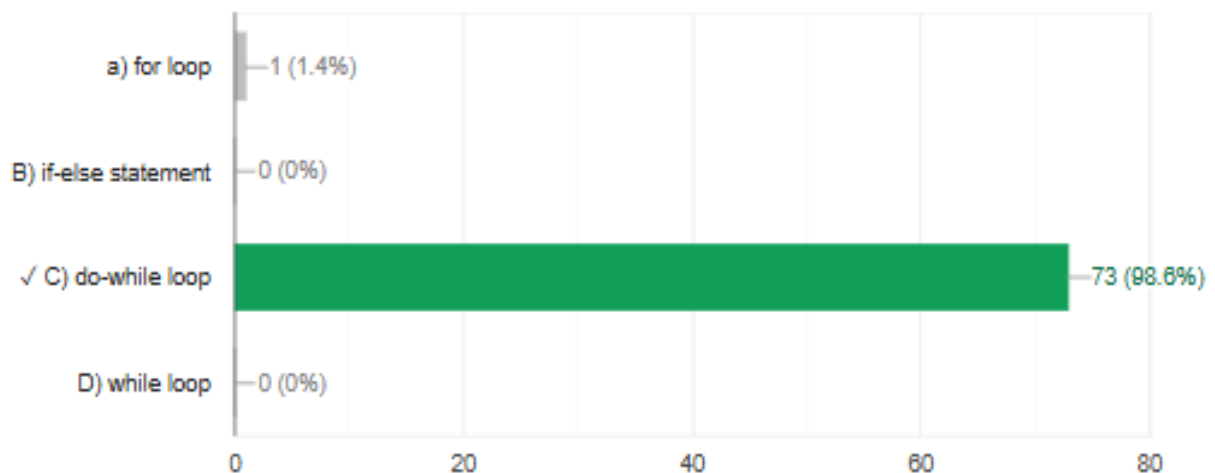
70 / 74 correct responses



6. Which of the following loops guarantees to execute its body at least once?

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73 / 74 correct responses

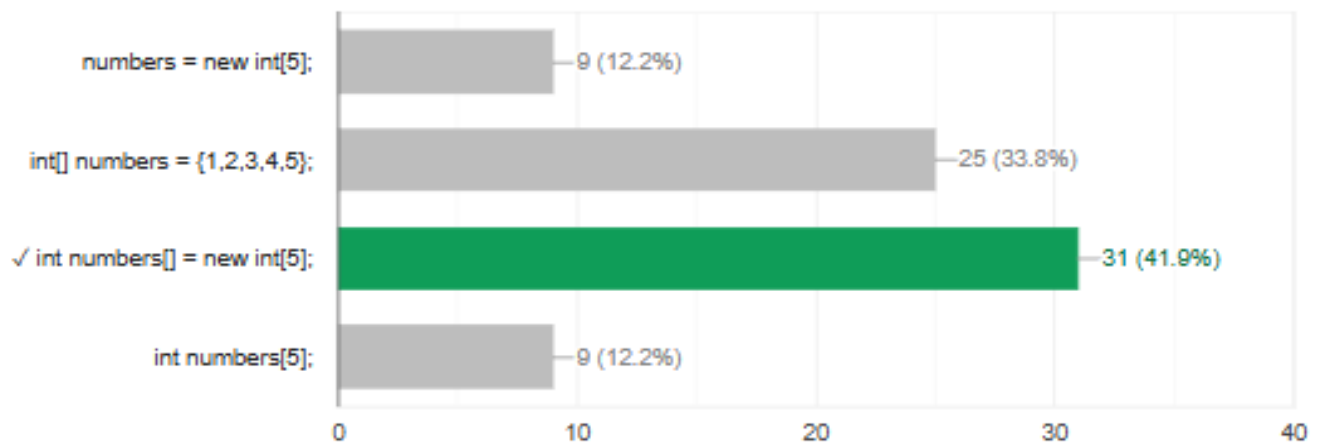




7. How do you declare and initialize an array of 5 integers named `numbers` in Java.

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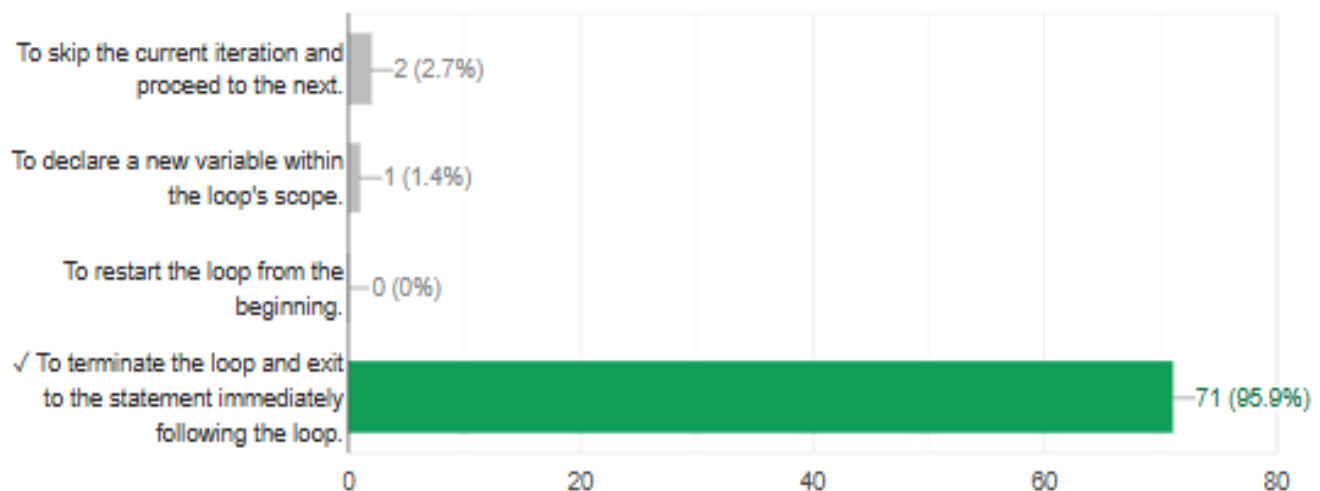
31 / 74 correct responses



8. What is the purpose of the `break` statement in a loop?

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71 / 74 correct responses

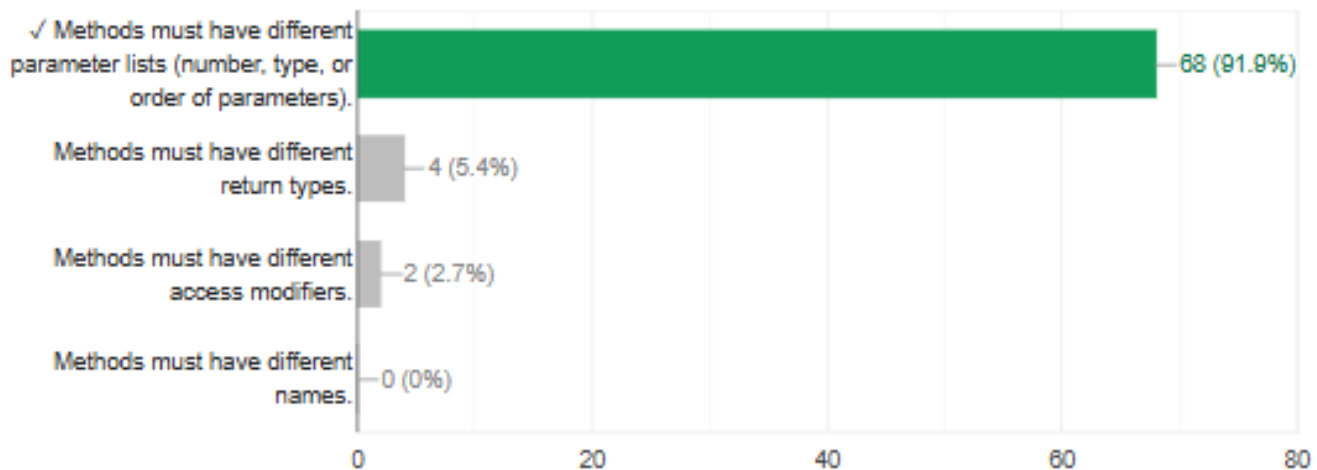




9. Which of the following is true about method overloading in Java?

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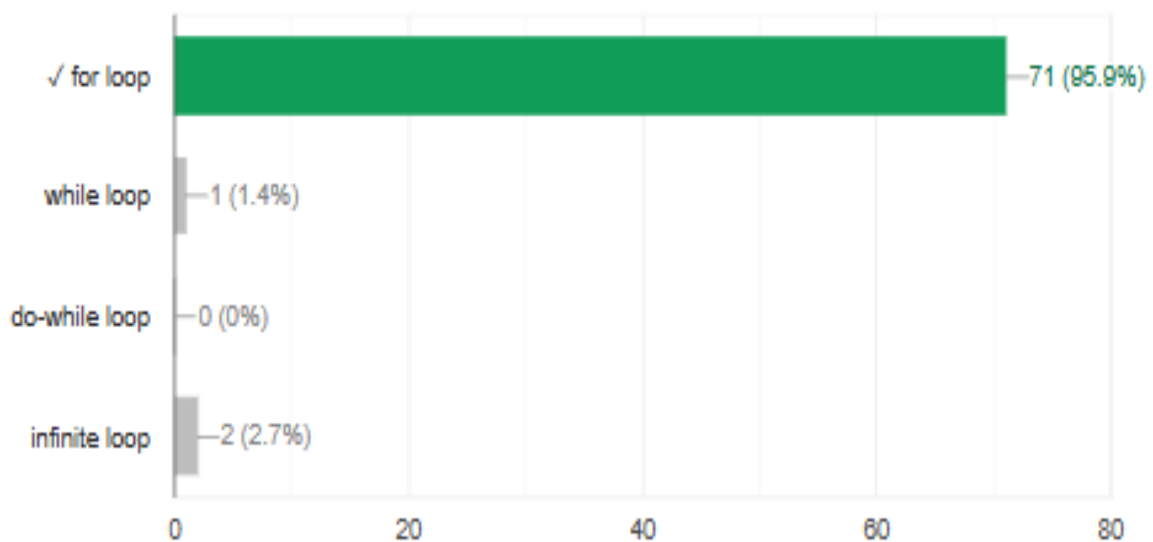
68 / 74 correct responses



10. Which loop is best suited when the number of iterations is known in advance?

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71 / 74 correct responses





Feedback and Suggestions

Participants expressed high satisfaction with the quality of the sessions and the depth of content covered. They appreciated the practical sessions, which allowed them to apply the theoretical knowledge gained during the lectures. The feedback indicated that the training program was a valuable learning experience and would be beneficial for future research and teaching initiatives.

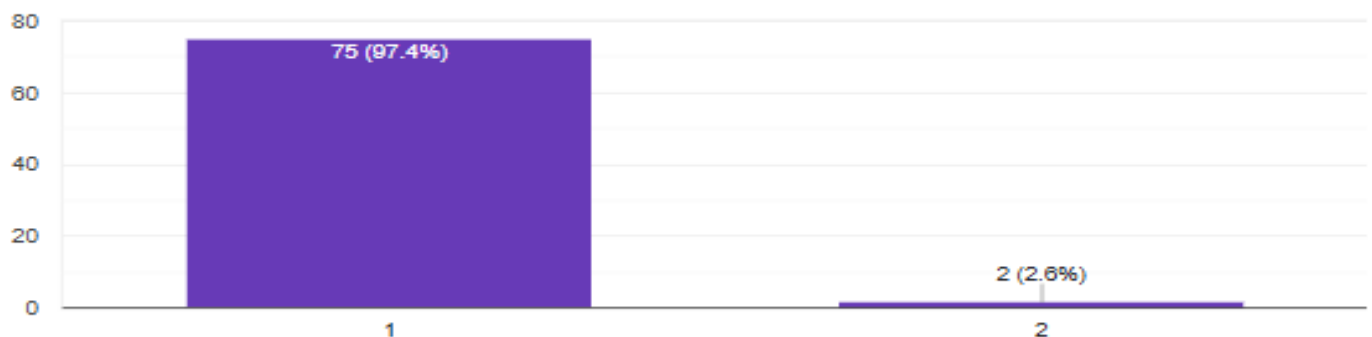
Suggestions for future programs included:

- Providing more time for practical hands-on work.
- Expanding the scope to cover more advanced topics like Swing, Applets.

1. Was the training easy to understand and follow

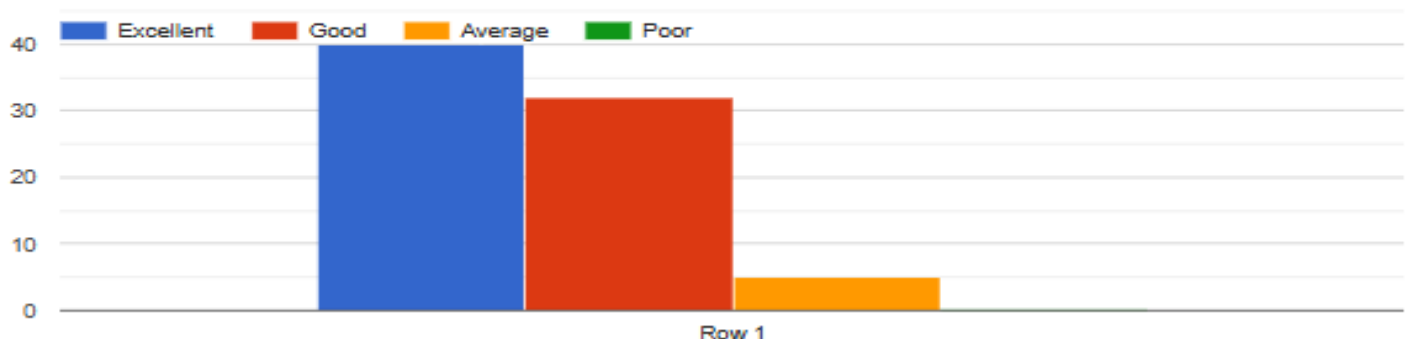
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77 responses



2. How would you rate the overall content of the STTP?

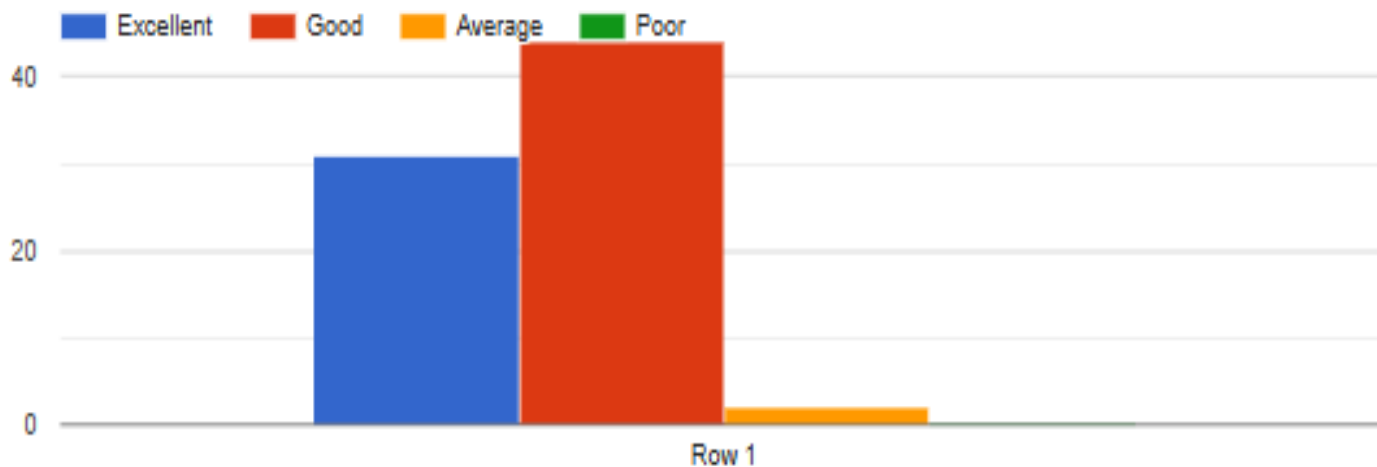
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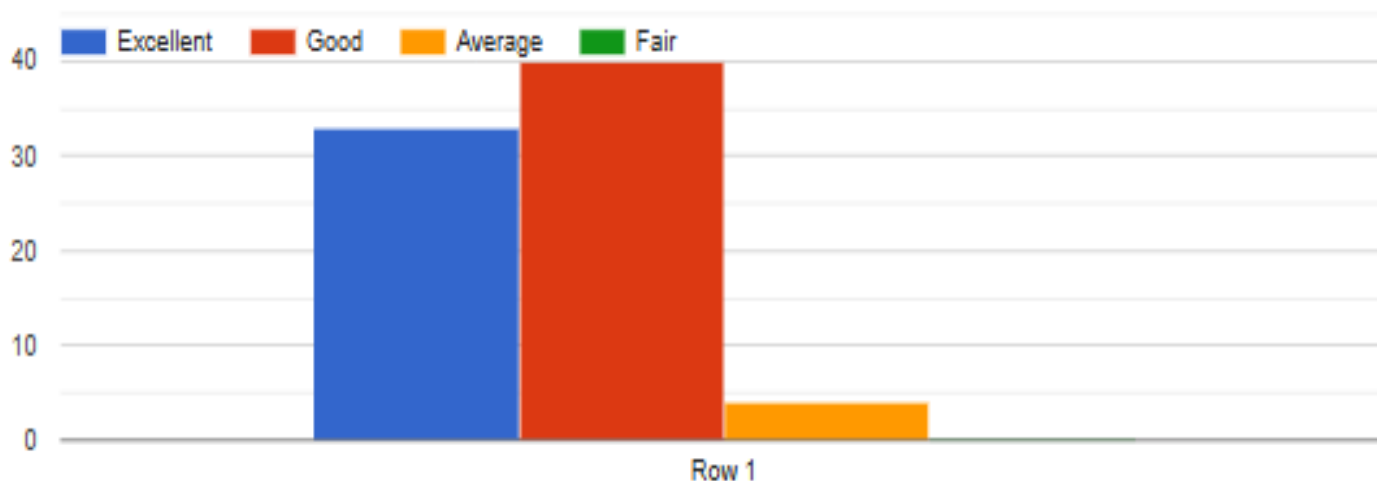
3.How relevant was the content of the STTP?

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4.How Engaging and clear were the Instructors in their Explanations?

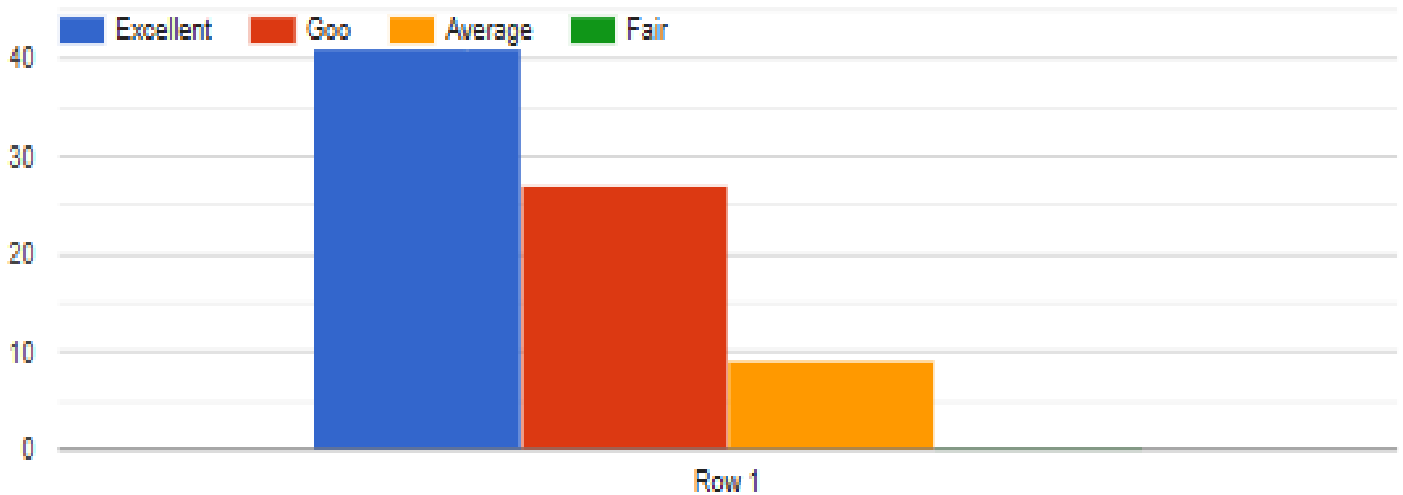
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5. Overall how you are Satisfied with the STTP?

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6. Do you have any suggestions for improving the training?

Training is already very good

No

Nothing everything is fine

No suggestion

No Suggestions

It was overall good. No suggestions



Program Outcomes:

By the end of the 6-day program, participants gained:

- "Participants gained a foundational understanding of Java programming."
- "Participants gained proficiency in the core concepts of Java programming."
- "Participants gained practical skills in Java programming for developing basic applications."
- "Participants gained the ability to write, compile, and run Java programs."
- "Participants gained an understanding of object-oriented programming".

Google Drive Link:

<https://drive.google.com/drive/folders/1aJxVHejeaDVabR9bhjeNWIx0ecL5U7Va?u p=sharing>




Dr. C. M. Jadhao
Principal
MGI-COET, Shegaon
PRINCIPAL
Mauli Group of Institutions
College of Engineering &
Technology, Shegaon



RAHUL INGLE



List of Faculty Development Program / Details

BASICS OF JAVA PROGRAMMING

APPROVED

Name and Address of Host Institution**Name:**M. G. OF INSTITUTION'S
COLLEGE OF ENGG. &
TECH.**Email:**

rahul4ingle@gmail.com

Phone:

9730752607

City:

DIST. BULDHANA

State:

MAHARASHTRA

Pin Code:

444203

Address:

KHAMGAON ROADSHEGAON-

Incharge Details**First Name:**

DR. C. M. JADHAO

Last Name:

Jadhao

Designation:

Professor

Email:

dr.rahulingle@gmail.com

Mobile Number:

9730752607

Program Details**Intended For:**

Student and Teachers

Specialization:

Computer Science

Course Type:

Subject updating course

Programme Duration:

One week

Proposed**: Proposal covered categories:****Dates(From-To)**6/23/2025 -
6/28/2025Industry-based programmes with substantial involvement of
industry and its experts

Do you have enough expertise within your institute and neighbouring places to offer the course satisfactorily :

No

Name Of Subject Expert



Mr Rahul Salunkay

Mr Dattatray
Dudhamogre**Course Coordinators**

Details	Coordinator 1	Coordinator 2
Name	Prof R M Bhutada	Prof R R Bhale
Designation	Assistant Professor	Assistant Professor
Address	Shegaon	Shegaon
Telephone	08237689520	08669028279
Mobile	8237689520	8669028279
Email	bhutadarahul123@gmail.com	bhalerohan8@gmail.com
Highest Qualification	M E	MSc
Area Of Specialization	Computer Engineering	Computer Engineering
Teaching Experience(Years)	6	3
Industry Experience(Years)	1	0
Total Paper Published	8	1
Total Short Term Courses Attended	5	2
Total Short Term Courses Conducted	0	0

Course Details

Significance & Objectives of the programme



Topic	Duration	Subject Expert
Introduction to Java	3	Mr Rahul Salunkay
Java Basics	3	Mr Pravin
Control flow	3	Mr Dattatray
OOP Concept	3	Mr Rahul Salunkay
Exception Handling	4	Mr Pravin

Course Schedule

Total Working Days	Lecture(hrs)	Practical(hrs)	Visits(hrs)	Others(hrs)	Total Engage
6	15	15	2	3	35

Details of special equipment or laboratory facilities available for the course

Computer

Collaboration with Regulating Authority / Department

Organization	Nature Of Collaboration	Expert Name	Area Of Expertise
R S Softech PVT	MOU	Mr Rahul Salunkay	Programming

Details of Course Faculty

Name	Designation	Institute	Highest Qualification	Specialization
Mr Dattatray Dudhamogre	Tranier	R S Softech PVT	M E	Programming

Audio Visual Facilities:

- LCD Projector
- Smart Classroom

Mode of Course:

Offline



IM Certificate

Membership Number	Certificate
2194	View Download

Does your institution have an ISTE Faculty Chapter : Yes

Chapter Certificate

Chapter Number	Certificate
MAH 204	View Download

Certified By Coordinator

Name: Place: Date: Signature:

Prof R M Bhutada SHEGAON 6/21/2025 [View](#) [Download](#)

Certified By Principal

Name: Place: Date: Request Letter:

Dr C M JADHAO SHEGAON 6/21/2025 [View](#) [Download](#)

Signature:

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