



ALZEEKA Tutorial

# Java 1



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<https://alzeeka.github.io/alzeeka/>

- **Select the correct answer**

**1. What is the purpose of a variable declaration in a Java program?**

- a. To define the type of data that will be stored in a variable
- b. To initialize a variable with a default value
- c. To change the value of a variable
- d. To declare a variable without assigning a value

**2. Which symbol is used as the assignment operator in Java?**

- a. +
- b. =
- c. \*
- d. -

**3. What is the result of the assignment statement 'temperature = 98.6;'?**

- a. temperature is set to 98.6
- b. temperature is set to the value of another variable
- c. temperature is incremented by 98.6
- d. temperature is decremented by 98.6

**4. When is it best to explicitly initialize variables?**

- a. When the variable is declared
- b. When the variable is uninitialized
- c. When the variable is used in a block
- d. When the variable is assigned a value

**5. Which variables are automatically initialized in Java?**

- a. Local variables
- b. Instance variables
- c. None of the above
- d. Both instance and local variables

**6. What are the arithmetic operators used in Java?**

- a. +, -, \*, /, %, =
- b. +, -, \*, /, %, &
- c. +, -, \*, /, %, ^
- d. +, -, \*, /, %, !

**7. What is the resulting type when an arithmetic operator is combined with int operands?**

- a. String
- b. int
- c. double
- d. float

**8. What is the result of 15/2?**

- a.7
- b.7.5
- c.8
- d.3

**9. What does the % operator do?**

- a.Perform a modulo operation
- b.Recover the information lost after performing integer division
- c.Perform a type cast
- d.Count by twos

**10. What is the output**

```
int c = 5;  
System.out.println( c++ );
```

- a.6
- b.5
- c.c
- d.c++

**10. What is the output**

```
int c = 5;  
System.out.println( ++c );
```

- a.6
- b.5
- c.c
- d.c++