



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++

11. What is the purpose of variables in Java?

- a. To perform mathematical operations
- b. To store data values**
- c. To declare constant values
- d. To print text on the screen

12. Which variable type is used to store text in Java?

- a. int
- b. String**
- c. char
- d. floa

13. What is the variable type used to store whole numbers without decimals?

- a. int**
- b. char
- c. String
- d. float

14. How do you declare a variable without assigning a value in Java?

- a. type variableName;**
- b. variableName;
- c. variableName = value;
- d. type variableName = value;

15. What is the result of the addition of a and b?

int a=27 , b =10;

- a. 17
- b. 10
- c. 37**
- d. 27

16. What is the result of the subtraction of a and b?

int a=27 , b =10;

a.27

b.17

c.37

d.10

17. What is the output?

int x = 2;

x++;

System.out.println(x);

a.3

b.4

c.2

d.error

18. What is the output?

int x = 2;

x++;

System.out.println(++x);

a.3

b.4

c.2

d.error