



**ALZEEKA Tutorial**

# Java 1



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

1. What is the class used to store and process strings in Java?

*Select the correct answer*

- ☐ a. Char  
☐ b. Boolean  
☒ c. String  
☐ d. Int

2. What is the value of the variable 'sentence' in the following code? String sentence = "Java is Fun!";

*Select the correct answer*

- ☐ a. "Java is"  
☐ b. "Fun!"  
☒ c. "Java is Fun!"  
☐ d. "Fun is Java!"

3. What is the result of the expression "The answer is " + 42?

*Select the correct answer*

- ☒ a. "The answer is 42"  
☐ b. "The answer is 84"  
☐ c. "The answer is 21"  
☐ d. "The answer is 4"

4. What is the result of the expression  $s + (x + y)$  if  $s = \text{"JAVA"}$ ,  $x = 6$ , and  $y = 10$ ?

Select the correct answer

- ☐ a. "JAVA610"
- ☐ b. "16JAVA"
- ☐ c. "JAVA6 16"
- ☒ d. "JAVA16"

5. What does the `length()` method return for the String "WELCOME"?

Select the correct answer

- ☐ a. 0
- ☒ b. 7
- ☐ c. 8
- ☐ d. 5

6. Which method is used to access an individual character in a String?

Select the correct answer

- ☐ a. equals
- ☒ b. charAt
- ☐ c. indexOf
- ☐ d. substring

7. What is the purpose of a line comment in Java?

Select the correct answer

- ☐ a. To provide documentation for the users of the program
- ☐ b. To access individual characters in a string
- ☐ c. To concatenate two strings
- ☒ d. To ignore a specific line of code

8. What does the ASCII character set contain?

Select the correct answer

- ☒ a. All characters used on an English-language keyboard
- ☐ b. All characters used in languages with a different alphabet from English
- ☐ c. All special characters
- ☐ d. All numbers from 0 to 9

9. What is the base of the binary numeral system?

Select the correct answer

- ☐ a. 8
- ☐ b. 10
- ☐ c. 16
- ☒ d. 2

10. What is the base of the octal numeral system?

Select the correct answer

- ☐ a. 16
- ☐ b. 10
- ☐ c. 2
- ☒ d. 8

1. What is the output?

```
String text="HELLO java";  
System.out.println(text.substring(6,text.length()));
```

- ☒ a) java
- b) HELLO java
- c) HELLO
- d) 16

2. What is the output?

```
int x=3,y=4;  
String text="hello";  
System.out.println(x+y+text);
```

- a) 34hello
- ☒ b) 7hello
- c) xyhello
- d) hello

3. What is the output?

```
int x=3,y=4;  
String text="hello";  
System.out.println(text+x+y);
```

- ☒ a) hello34
- ☐ b) hello7
- ☐ c) helloxy
- ☐ d) hello

4. What is the output?

```
int x=3,y=4;  
String text="hello";  
System.out.println(text+(x+y));
```

- ☐ a) hello34
- ☒ b) hello7
- ☐ c) helloxy
- ☐ d) hello

5. What is the output?

```
int x=3,y=4;  
String text="hello";  
System.out.println(text+(3+4));
```

- ☐ a) hello34
- ☒ b) hello7
- ☐ c) helloxy
- ☐ d) hello

6. What is the output?

```
int x=3,y=4;  
String text="hello";  
System.out.println(text+(3+4));
```

- ☐ a) hello34
- ☒ b) hello7
- ☐ c) helloxy
- ☐ d) hello

7. What is the output?

```
String text="hello java";  
System.out.println(text.length());
```

- a) Hello java
- b) 7
- ☒ c) 10
- d) 9

8. What is the output?

```
String text="hello java";  
System.out.println(text.equals("Hello java"));
```

- a) Hello java
- b) true
- ☒ c) false
- d) hello java

9. What is the output?

```
String text="hello java";  
System.out.println(text.equalsIgnoreCase("Hello JAVA"));
```

- a) Hello java
- ☒ b) true
- c) false
- d) hello java

10. What is the output?

```
String text="HELLO java";  
System.out.println(text.toLowerCase());
```

- a) Hello java
- ☒ b) hello java
- c) HELLO JAVA
- d) hello JAVA

11. What is the output?

```
String text="HELLO java";  
System.out.println(text.toUpperCase());
```

- a) Hello java
- b) hello java
- ☒ c) HELLO JAVA
- d) hello JAVA

12. What is the output?

```
String text="HELLO java";  
System.out.println(text.charAt(7));
```

- a) j
- ☒ b) a
- c) java
- d) HELLO java

13. What is the output?

```
String text="HELLO java";  
  
System.out.println(text.substring(3));
```

- a) Hello
- b) LLO java
- ☒ c) LO java
- d) HELLO java

14. What is the output?

```
String text="HELLO java";  
System.out.println(text.substring(0,5));
```

- ☒ a) HELLO
- b) LLO java
- c) java
- d) HELLO java

15. What is the output?

```
String text="HELLO java java";  
System.out.println(text.indexOf("java"));
```

a) JAVA

b) 11

c) 8

✓ d) 6

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