1. **What will be the output of the below code snippet?**
   public static void main(String[] args) {
      string a = "epam";
      string b = "epam";
      a.concat(b);
      System.out.println(a);
     }

   - ⚪ null
   - 🔵 epam
   - ⚪ epamepam
   - ⚪ Runtime Exception

2. **What is the index of the first element in an array?**

   - 🔵 0
   - ⚪ -1
   - ⚪ 1
   - ⚪ null

3. **What happens if you try to access an index that is out of bounds in an array?**

   - ⚪ The program crashes
   - ⚪ Java automatically adjusts the array size to accommodate the index
   - 🔵 An ArrayIndexOutOfBoundsException is thrown at runtime
   - ⚪ The array index is reset to 0

4. **What will be the output of the following Java program?**

```java
public class Check {
  public static void main(String[] args) {
    String s1 = "Hello";
    String s2 = "Hello";
    System.out.println(s1 == s2);
  }
}
```

   - ⚪ false
   - 🔵 true
   - ⚪ 0
   - ⚪ 1

5.

Predict the output the following Java program?

```java
public class Check {
  public static void main(String[] args) {
    String s1 = new String("Hello");
    String s2 = new String("Hello");
    System.out.println(s1 == s2);
  }
}
```

○ true

○ 0

◉ false

○ 1

6.   **What is the output of the following Java code?**

```java
public class Check {
  public static void main(String[] args) {
    char ch1 = 'a';
    char ch2 = 'A';
    char ch3 = '5';
    char ch4 = '$';
    System.out.println(Character.isUpperCase(ch1));
    System.out.println(Character.isLowerCase(ch2));
    System.out.println(Character.isLowerCase(ch1));
    System.out.println(Character.isUpperCase(ch2));
    System.out.println(Character.isDigit(ch3));
    System.out.println(Character.isAlphabetic(ch4));
  }
}
```

○ false
   false
   false
   true
   false
   true

○ true
   true
   false
   false
   true
   false

○ false
false
true
true
false
true

◉ false
false
true
true
true
false

7. **What will printed on the screen when you execute the following Java program?**

```java
public class Check {
    public static void main(String[] args) {
        String s1 = "abcde";
        char ch = 'e';
        System.out.println(s1.contains("" + ch));
    }
}
```

○ false

◉ true

○ 'e'

○ Yes

8. **Predict the output of the following Java**

```java
public class Check {
    public static void main(String[] args) {
        String s1 = "abcx";
        String s2 = "abcp";
        System.out.println(s1.compareTo(s2));
    }
}
```

program?

○ 1

○ -1

◉ 8

○ -8

9.

Predict the output of the following Java Program?

```java
public class Check {
  public static void main(String[] args) {
    String s1 = "abcx";
    String s2 = "abcp";
    System.out.println(s2.compareTo(s1));
  }
}
```

○ -1

○ 1

○ 8

● -8

10. **What is the output of the following Java program?**

```java
public class Check {
  public static void main(String[] args) {
    String s1 = "abcdeoooo";
    String s2 = "abcde";
    System.out.println(s1.compareTo(s2));
  }
}
```

○ 5

○ -5

● 4

○ -4

11. **Predict the output of the following Java program?**

```java
public class Check {
  public static void main(String[] args) {
    String s1 = "I LOve Java";
    String s2 = "i loVE jAVA";
    System.out.println(s1.equals(s2));
    System.out.println(s1.equalsIgnoreCase(s2));
  }
}
```

● false
true

○ true
false

○ 1
0

○ 0
1

12. **What should be written in the places of question marks (?) in the lines 4 and 5 to print VeryEasy, AndCode as substrings of given String s1?**

```
1 public class Check {
2   public static void main(String[] args) {
3     String s1 = "javaIsVeryEasyToLearnAndCode";
4     System.out.println(s1.substring(?, ?));
5     System.out.println(s1.substring(?));
6   }
7 }
```

○ Line 4: 5 13
Line 5: 22

○ Line 4: 6 13
Line 5: 21

◉ Line 4: 6 14
Line 5: 21

○ Line 4: 5 14
Line 5: 21

13. **How many true and false will be printed on the screen when you execute the following Java program?**

```
public class Check {
  public static void main(String[] args) {
    String s1 = "JavaStringsAreImmutable";
    System.out.println(s1.startsWith("java"));
    System.out.println(s1.endsWith("able"));
    System.out.println(s1.contains("reIm"));
    System.out.println(s1.contains("muat"));
    System.out.println(s1.startsWith("JavaStrings"));
  }
}
```

○ 1 - false
4 - true

◉ 2 - false
3 - true

○ 3 - false
2 - true

○ 1 - true4 - false

14. **Which of the following methods can be used to convert a String to a character array in Java?**

○ toCharacterArray()

○ toCArray()

○ getCharArray()

◉ toCharArray()

15. **Java Strings are?**

○ Mutable

◉ Immutable

○ Neither

○ Muta-Immutable

16. **Java's String class is a part of?**

○ java.util package

○ java.io package

○ java.awt package

◉ java.lang package

17. **What does SCP in Java stands for?**

○ String Conversion Place

○ String Container Pool

◉ String Constant Pool

○ String Constant Place

18. **Which of the following metohds is used to find the number of characters in a String in Java?**

○ size()

○ length

○ chars()

◉ length()

19. **Let's suppose you have a character array as shown below**

```
char arr[] = {'j', 'a', 'v', 'a', ' ', 'i', 's', ' ', 'l', 'o', 'v', 'e'};
```

Which of the following will convert it into a String?

○ String s = arr;

○ String s = arr.toString();

◉ String s = new String(arr);

○ String s = String(arr);

20. **What is the return type of compareTo() method in Java Strings?**

○ boolean

◉ int

○ float

○ char

21. **What is the correct way to access the character at 4th index in a String named s1 in Java?**

○ s1[4]

○ s1[3]

◉ s1.charAt(4)

○ s1.charAt(3);

22. **Which of the folloing Java String methods gives the index of the first occurence of a character?**

○ getIndex()

◉ indexOf()

○ firstIndexOf()

○ startIndexOf()

23. **What is the return type of the methods toUpperCase() and toLowerCase() in Java?**

○ boolean

○ void

○ int

◉ String

24. **Which of the following method in Java checks if a String is empty or not?**

○ areThereAnyChars()

○ isStringHasAChar()

○ isStringEmpty()

◉ isEmpty()

25. **What is the output of the following Java program?**

```java
public class Check {
  public static void main(String[] args) {
    String s1 = "Gosling";
    System.out.println(s1.repeat(3));
  }
}
```

○ GosGosGos

○ **GoslingGoslingGoslingGoslingGosling**

○ **Gosling**
Gosling
Gosling

◉ **GoslingGoslingGosling**