

1. What is the output of the following code snippet?

```
public class PrintMessage
{
    public static void main(String[] args)
    {
        String str="3060";
        str+=40;
        System.out.println(str);
    }
}
```

- A. Compilation error B. Runtime Exception C. 306040 D. 3100

2. What is the output of the following code snippet?

```
public class PrintMessage
{
    public static void main(String[] args)
    {
        String name="core";
        System.out.println(name.concat(" java "));
        name=name.concat(" java");
        System.out.println(name);
    }
}
```

- A. core java
core java core B. core java
core java C. core java
java core D. java core
java core

3. What is the output of the following code snippet?

```
public class PrintMessage
{
    public static void main(String[] args)
    {
        String data="Hi welcome to Bangalore";
        System.out.println(data.substring(2,10).trim().length());
        System.out.println(data.substring(2,10).trim().substring(3));
    }
}
```

- A. 6
come B. 8
come C. 7
lcome D. 7
come

4. What is the output of the following code snippet?

```
public class PrintMessage
{
    public static void main(String[] args)
    {
        String names[]=new String[]{"Rajesh","Krish","Balu","Manoj"};
        for(String name: names)
```

```

        {
            if(name=="Rajesh" || name=="Krish")
                System.out.println(name.toUpperCase());
        }
    }
}

```

- A. Compilation successful but there is no output
 - B. Rajesh
Krish
 - C. RAJESH
KRISH
 - D. Compilation successful but it leads to runtime exception
5. What happens when you compile and execute this program?

```

public class PrintMessage
{
    public static void main(String[] args)
    {
        String name="liril";
        String rname=name.reverse();
        if(name.equals("rname"))
        {
            System.out.println("Palindrome");
        }
        else
        {
            System.out.println("Not a palindrome");
        }
    }
}

```

- A. Palindrome
- B. Not a palindrome
- C. Compilation Error
- D. Can't say

6. What is the output of the following code snippet?

```

public class PrintMessage
{
    public static void main(String[] args)
    {
        StringBuffer sb1=new StringBuffer("Welcome");
        String sb2="Welcome";
        if(sb1.toString().equals(sb2))
        {
            System.out.println("Both are equal ");
        }
        else
        {
            System.out.println("Both are not equal");
        }
    }
}

```

```

    }
}

```

- A. Both are equal B. Both are not equal C. Compilation Error D. Runtime Exception

7. What is the output of the following code snippet?

```

public class PrintMessage
{
    public static void main(String[] args)
    {
        String s1 = "abc";
        String s2 = s1;
        s1 += "d"; System.out.println(s1 + " " + s2 + " " + (s1 == s2));
        StringBuffer sb1 = new StringBuffer("abc");
        StringBuffer sb2 = sb1;
        sb1.append("d");
        System.out.println(sb1 + " " + sb2 + " " + (sb1 == sb2));
    }
}

```

- A. abcd abc true
 abcd abcd false
- B. abc abcd false
 abcd abcd true
- C. abcd abc false
 abcd abcd true
- D. Compilation Error

8. What is the output of the following code snippet?

```

public class PrintMessage
{
    public static void main(String[] args)
    {
        StringBuffer sb=new StringBuffer("core java");
        String s=sb;
        System.out.println(s);
    }
}

```

- A. core java B. memory address is printed C. Compilation Error D. Runtime Exception

9. What is the output of the following code snippet?

```

public class PrintMessage
{
    public static void main(String[] args)
    {
        String name="Core Java";
    }
}

```

```

        System.out.println(name.substring(3).length());
        System.out.println(name.substring(3,8));
    }
}

```

- A. 7
ejava
- B. 6
ejav

- C. 6
e Jav
- D. None of the above

10. What is the output of the following code snippet?

```

public class PrintMessage
{
    public static void main(String[] args)
    {
        test("Mani");
    }
    public static void test(String str)
    {
        int check = 4;
        if (check = str.length())
        {
            System.out.print(str.charAt(check -= 1) + ", ");
        }
        else
        {
            System.out.print(str.charAt(0) + ", ");
        }
    }
}

```

- A. i
- B. M
- C. Compilation Error
- D. Runtime Exception

11. Please fill in the blanks

String is a _____ class that is defined in the _____ package.

- A. static
java.lang
- B. final
java.lang
- C. innerclass
java.lang
- D. public
java.util

12. Convert the following snippet into StringBuilder Object.

String info="The customer first name"+firstname+" and middle name"+middlename+" last name "+lastname; // where firstname, middlename and lastname are reference variables.

A. `StringBuilder sb=new StringBuilder();`

`sb= sb.concat("The customer first name").concat(firstname).concat("and middle name").concat(middlename).concat("lastname").concat(lastname);`

B. `StringBuilder sb=new StringBuilder();`

`sb= sb.append("The customer first name").append(firstname).append("and middle name").append(middlename).append("lastname").append(lastname);`

C. `StringBuilder sb=new StringBuilder();`

`sb="The customer first name"+firstname+" and middle name"+middlename+" last name "+lastname;`

D. None of the above

13. To print a given name character by character, fill in the missing code

```
public static void test(String name)
{
    for(int i=0;i<name.length();i++)
    {
        System.out.println(name._____);
    }
}
```

A. `[i]`

B. `charAt(i)`

C. `char(i)`

D. `charat(i)`

14. To print the name, fill in the blank with the appropriate code.

```
public static void test(StringBuffer name)
{
    String n=name._____;
    System.out.println("Name is :"+n);
}
```

A. `string()`

B. `toString()`

C. `toString()`

D. None of these

15. String is_____, StringBuffer is_____ and StringBuilder is _____.

A. Mutable, Immutable, Mutable

B. Immutable, Mutable, Immutable

C. Immutable, mutable, mutable

D. Mutable, Immutable, Immutable

16. What is the output of the following code snippet?

```
public class Demo {  
    public static void main(String[] args) {  
        String s1="Rajesh";  
        String s2=new String("Rajesh");  
        StringBuffer sb1=new StringBuffer("Rajesh");  
        StringBuffer sb2=new StringBuffer("Rajesh");  
        StringBuilder sbr1=new StringBuilder("Rajesh");  
        StringBuilder sbr2=new StringBuilder("Rajesh");  
        System.out.print(s1.equals(s2)+" "+sb1.equals(sb2)+" "+sbr1.equals(sbr2));  
    }  
}
```

- A. Compilation error
- B. true true true
- C. true false true
- D. true false false

17. What is the output of the following code snippet?

```
public class Demo {  
    public static void main(String[] args) {  
        StringBuffer sb=new StringBuffer();  
        sb.append("Spa");  
        sb.append("n");  
        sb.append("eos");  
        System.out.println(sb.length());  
        System.out.println(sb.capacity());  
    }  
}
```

- A. 7, 7
- B. 7 , 11
- C. 8, 16
- D. 7,16

18. What is the output of the following code snippet?

```
public class Demo {  
    public static void main(String[] args) {  
        String name="Krish how are u?";  
        String info1=name.substring(0, 5).toUpperCase();  
        String info2=name.substring(0, 6).toUpperCase().trim();  
        System.out.println(info1.length()+" "+info2.length()+" ");  
        System.out.print(info1==info2);  
    }  
}
```

- A. 5, 5 false
- B. 6, 5 false
- C. 5, 5 true
- D. 5, 6 false

19. What is the output of the following code snippet ?

```
public class Demo {  
    public static void main(String[] args) {  
        String name="Krish Welcome to the Java 6 Version Java is a Beautiful Programming Language";  
        String data[]=name.split(" ");  
        for(int i=0;i<data.length;i++)  
            if(data[i].length()==4)  
                System.out.println(data[i].trim().toUpperCase());  
    }  
}
```

- A. Java
Java
- B. Program leads to compilation error
- C. Program compilation successful but no output
- D. JAVA
JAVA

20. What is the output of the following code snippet?

```
public class Demo {  
    public static void main(String[] args) {
```

```

String s1="Liril";
char s2[]=new char[s1.length()];
int flag=0;
s1=s1.toUpperCase();
for(int i=s1.length()-1;i>=0;i--)
    s2[i]=s1.charAt(i);
if(s1.length()==s2.length)
    for(int i=0;i<s2.length;i++)
        if(s1.charAt(i)!=s2[i]){
            flag=1;
        }
if(flag==0){
    System.out.println("Both are same");
}else
    System.out.println("Both are not same");
}
}

```

- A. Program leads to compilation error
- B. Both are same
- C. Both are not same
- D. There is no output