

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

StringBuffer is used to create _____.

Select one:

- ☐ an immutable String
- ☒ a mutable String ✓

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

List the correct ways of declaring an Array.

Select one or more:

- ☐ String name[]=new String(10);
- ☐ int studentId[10];
- ☒ int studentId[]; ✓
- ☒ String [] name []; ✓
- ☒ int []studentId; ✓

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Predict the output of the below code :

```
import java.util.regex.*;

public class TestRegex{

    public static void main(String args[]) {

        Pattern p = Pattern.compile(".ech");
        Matcher m = p.matcher("tech");
        boolean b = m.matches();
        System.out.println(b);

    }

}
```

Select one:

- ☒ true ✓
- ☐ Runtime Error
- ☐ compile time error
- ☐ false

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

The first name of a person should contain only alphabets and space.

Which of the following regular expression will match the requirement?

Select one:

- ☒ [a-zA-Z]+ ✓
- ☐ [a-zA-Z]
- ☐ [\\s]+
- ☐ [\\s]

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

What is the output of this program?

```
class Output {  
  
    public static void main(String args[]) {  
  
        int a1[] = new int[10];  
  
        int a2[] = {1, 2, 3, 4, 5};  
  
        System.out.println(a1.length + " " + a2.length);  
  
    }  
}
```

Select one:

- ☐ 0 10
- ☒ 10 5 ✓
- ☐ 0 5
- ☐ 5 10

Question 6

Correct

Mark 1.00 out of 1.00

Flag question

String Objects are mutable. State true or false.

Select one:

- ☐ True
- ☒ False ✓

Question 7

Correct

Mark 1.00 out of 1.00

Flag question

```
String name="teknoturf";  
String cname="teknoturf";  
String compname=new String("teknoturf");  
1.if(name==cname)  
2.if(name.equals(cname))  
3.if(name==compname)  
4.if(name.equals(compname))  
Identify the output.
```

Select one:

- ☐ Line 1,3 will return true.
- ☐ Line 1,3,4 will return true.
- ☒ Line 1,2,4 will return true. ✓
- ☐ Line 3,4 will return true.

Question 8

Correct

Mark 1.00 out of 1.00

Flag question

Consider the below statements.

Statement 1 : Matcher class interprets the pattern in a String

Statement 2 : Matcher class matches the regular expression against the text provided

Which of the following is true?

Select one:

- ☐ Both Statement 1 and 2 are incorrect.
- ☐ Statement 2 alone is correct.
- ☐ Statement 1 alone is correct.
- ☒ Both Statement 1 and 2 are correct ✓

Question 9

Correct

Mark 1.00 out of 1.00

Flag question

In which of the following packages can you find String class?

Select one:

- ☐ none of the options
- ☒ lang ✓
- ☐ util
- ☐ io

Question 10

Correct

Mark 1.00 out of 1.00

Flag question

Given a one-dimensional array arr, what is the correct way of getting the number of elements in arr?

Select one:

- ☐ arr.length-1
- ☒ arr.length ✓
- ☐ arr.length()-1
- ☐ arr.length()

Question 11

Correct

Mark 1.00 out of 1.00

Flag question

```
class ArrayTest {  
    public static void main(String args[]) {  
        int[] primes = new int[10];  
        primes[0] = "a";  
        System.out.println(primes[0]);  
    }  
}
```

What will be the result of compiling and executing the above code?

Select one:

- ☐ ArrayStoreException
- ☒ compile time error ✓
- ☐ Runtime exception
- ☐ a

Question 12

Correct

Mark 1.00 out of 1.00

Flag question

```
class TestArray {  
    public static void main(String args[]) {  
        int arr_sample[] = new int[2];  
        System.out.println(arr_sample[0]);  
    }  
}
```

What will be the result of compiling and executing the above code?

Select one:

- ☐ The program generates a runtime exception because arr_sample[0] is being read before being initialized.
- ☐ The program does not compile because arr_sample[0] is being read before being initialized.
- ☐ The program compiles and prints 1 when executed.
- ☐ The program compiles and runs but the results are not predictable because of un-initialized memory being read.
- ☒ The program compiles and prints 0 when executed. ✓

Question 13

Correct

Mark 1.00 out of 1.00

🚩 Flag question

State True or False.

Advanced for loop is better as it is less error prone as we don't need to deal with index.

Select one:

- ☒ True ✓
- ☐ False

Question 14

Correct

Mark 1.00 out of 1.00

🚩 Flag question

StringBuilder is less efficient and slower than StringBuffer. State true or false.

Select one:

- ☐ True
- ☒ False ✓

Question 15

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Which of the following text when matched with the regular expression "[a-zA-Z&[^aeiou]]+" will return true?

Select one or more:

- ☒ cry ✓
- ☒ My ✓
- ☐ must
- ☐ Good