FULL STACK DEVELOPMENT – WORKSHEET 1

All questions are multiple choice.

Q1. What is the size of float and double in java?

    A. 32 and 64

    B. 32 and 32

    C. 64 and 64

    D. 64 and 32

Ans: A

Q2. Automatic type conversion is possible in which of the possible cases?

    A. Byte to int

    B. Int to long

    C. Long to int

    D. Short to int

Ans: B

Q3.Find the output of the following code.

```
int Integer = 24;
char String = 'I';
System.out.print(Integer);
System.out.print(String);
```

    A. Compile error

    B. Throws exception

    C. I

    D. 24 I

Ans: D

Q4.Find the output of the following program.

```
public class Solution{
 public static void main(String[] args){
        short x = 10;
        x =  x * 5;
        System.out.print(x);
 }
```

```
        }
```
A. **50**

B. **10**

C. **Compile error**

D. **Exception**

Ans: C

Q5.Find the output of the following program.

```
public class Solution{
public static void main(String[] args){
        byte x = 127;
        x++;
        x++;
        System.out.print(x);
    }
}
```

A. **-127**

B. **127**

C. **129**

D. **2**

Ans: A

Q6. Select the valid statement.

A. **char[] ch = new char(5)**

B. **char[] ch = new char[5]**

C. **char[] ch = new char()**

D. **char[] ch = new char[]**

Ans: B

Q7. Find the output of the following program.

```
public class Solution{
    public static void main(String[] args){
        int[]  x = {120, 200, 016};
        for(int i = 0; i < x.length; i++){
            System.out.print(x[i] + " ");
        }
    }
    }
```

A. 120 200 016

B. 120 200 14

C. 120 200 16

D. None

Ans: B

Q8.When an array is passed to a method, what does the method receive?

A. The reference of the array

B. A copy of the array

C. Length of the array

D. Copy of first element

Ans: A

Q9.Find the value of A[1] after execution of the following program.

```
int[] A = {0,2,4,1,3};
for(int i = 0; i < a.length; i++){
    a[i] = a[(a[i] + 3) % a.length];
}
```

A. 0

B. 1

C. 2

D. 3

Ans: B

Q10. When is the object created with a new keyword?

A. At run time

B. At compile time

C. Depends on the code

D. None

Ans: A

Q11. Identify the corrected definition of a package.

A. A package is a collection of editing tools

B. A package is a collection of classes

C. A package is a collection of classes and interfaces

D. A package is a collection of interfaces

Ans: C

Q12.Identify the keyword among the following that makes a variable belong to a class, rather than being defined for each instance of the class.

    A. final

    B. static

    C. volatile

    D. abstract

Ans: B

Q13.Identify what can directly access and change the value of the variable res.

Package com.mypackage;

Public class Solution{

    Private int res = 100;

}

    A. Any class

    B. Only Solution class

    C. Any class that extends Solution

    D. None

Ans: B

Q14.In which of the following is the to String() method defined?

    A. java.lang.Object

    B. java.lang.String

    C. java.lang.util

    D. None

Ans: A

Q15.Identify the output of the following program.

String str = "abcde";

System.out.println(str.substring(1, 3));

    A. abc

    B. bc

    C. bcd

    D. cd

Ans: B

Q16.Identify the output of the following program.

String str = "Hellow";

System.out.println(str.indexOf('t));

    A. 0

    B. 1

    C. true

    D. -1

Ans: D

Q17.

Identify the output of the following program.

Public class Test{

      Public static void main(String argos[]){

          String str1 = "one";

          String str2 = "two";

          System.out.println(str1.concat(str2));

      }

}

    A. one

    B. two

    C. onetwo

    D. twoone

Ans: C

Q18.

How many objects will be created in the following?

String a = new String("FlipRobo");

String b = new String("FlipRobo");

String c = "FlipRobo";

String d = "FlipRobo";

    A. 2

    B. 3

    C. 4

    D. None

Ans: B

Q19.Find the output of the following code.

int ++a = 100;

System.out.println(++a);

    A. 101

    B. Compile error as ++a is not valid identifier

    C. 100

    D. None

Ans: B

Q20.Find the output of the following code.

if(1 + 1 + 1 + 1 + 1 == 5){

  System.out.print("TRUE");

}

else{

  System.out.print("FALSE");

}

    A. TRUE

    B. FALSE

    C. Compile error

    D. None

Ans: A

Q21.Find the output of the following code.

Public class Solution{

    Public static void main(String args[]){

        Int x = 5;

        x * = (3 + 7);

        System.out.println(x);

    A. 50

    B. 22

    C. 10

    D. None

Ans: A

Q22.Identify the return type of a method that does not return any value.

    A. int

    B. void

    C. double

    D. None

Ans: B

Q23.Output of Math.floor(3.6)?

    A. 3

    B. 3.0

    C. 4

    D. 4.0

Ans: B

Q24. Identify the modifier which cannot be used for constructor.

    A. public

    B. protected

    C. private

    D. static

Ans: D

Q25. What are the variables declared in a class for the use of all methods of the class called?

    A. Object

    B. Instance variables

    C. Reference variable

    D. None

Ans: B

Q26.

Find the output of the following code.

Public class Solution{

    Public static void main(String args[]){

        Int i;

        for(i = 1; i < 6; i++){

            if(i > 3) continue;

```
    }
  }
  System.out.println(i);
}
```

A. 3

B. 4

C. 5

D. 6

Ans: D

Q27. Identify the infinite loop.

A. for(; ;)

B. for(int i = 0; i < 1; i--)

C. for(int i = 0; ;i++)

D. All of the above

Ans: D

Q28.Exception created by try block is caught in which block

A. catch

B. throw

C. final

D. none

Ans: A

Q29.Which of the following exception is thrown when divided by zero statement is executed?

A. NullPointerException

B. NumberFormatException

C. ArithmeticException

D. None

Ans: C

Q30.Where is System class defined?

    A. java.lang.package

    B. java.util.package

    C. java.io.package

    D. None

Ans: A