

**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 – 24 I

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

Ans - compile error

C. Compile error

D. Exception

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]

Ans - B

C. char[] ch = new char()

D. char[] ch = new char[]

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

Ans - B

C. 120 200 16

D. None

**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

**Ans - B**

**D. abstract**

**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**

**Ans - B**

**C. Any class that extends Solution**

**D. None**

**Q14. In which of the following is the toString() method defined?**

**A. java.lang.Object**

**B. java.lang.String**

**Ans - B**

**C. java.lang.util**

**D. None**

**Q15. Identify the output of the following program.**

**String str = "abcde";**

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

**A. abc**

**B. bc**

**Ans - B**

**C. bcd**

**D. cd**

**Q16. Identify the output of the following program.**

**String str = "Hellow";**

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

**A. 0**

**B. 1**

**Ans - D**

**C. true**

**D. -1**

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 - A

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 - D

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

Ans - B

D. 4.0

**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++)

**Ans - D**

**D. All of the above**

**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**