

FULL STACK DEVELOPMENT – WORKSHEET 1

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. 32 and 64

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

Answer -: B. Int to long

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

Answer-: D. 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
- C. Compile error
- D. Exception

Answer-: C. Compile error

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

Answer:- A. -127

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[]

Answer:- B. char[] ch = new char[5]

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

Answer:- B. 120 200 14

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

Answer:- A. The reference of the array

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

Answer:- B. 1

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

Answer:- A. At run time

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

Answer:- C. A package is a collection of classes and interfaces

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

Answer:- B. static

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

```
Package com.my package;  
Public class Solution{  
    Private int res = 100;  
}
```

- A. Any class
- B. Only Solution class
- C. Any class that extends Solution
- D. None

Answer:- B. Only Solution class

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

- A. java.lang.Object
- B. java.lang.String
- C. java.lang.util
- D. None

Answer:- A. java.lang.Object

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

Answer:- B. bc

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

Answer:- 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

Answer:- C. onetwo

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

Answer:- A. 2

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
```

Answer:- B. Compile error as ++a is not valid identifier

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
```

Answer:- A. TRUE

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
```

Answer:- A. 50

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

- A. int
- B. void
- C. double
- D. None

Answer:- B. void

Q23. Output of Math.floor(3.6)?

- A. 3
- B. 3.0
- C. 4
- D. 4.0

Answer:- B. 3.0

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

- A. public
- B. protected
- C. private
- D. static

Answer:- D. static

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

Answer:- B. Instance variables

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

Answer:- D. 6

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

Answer-: D. All of the above

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

- A. catch
- B. throw
- C. final
- D. none

Answer-: A. catch

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

- A. NullPointerException
- B. NumberFormatException
- C. ArithmeticException
- D. None

Answer-: C. ArithmeticException

Q30.Where is System class defined?

- A. java.lang.package
- B. java.util.package
- C. java.io.package
- D. None

Answer-: A. java.lang.package