

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

Ans1- 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

Ans2- 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

Ans3- 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

Ans4- 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

Ans5- 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[]

Ans6- 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

Ans7- 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

Ans8- 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

Ans9- 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

Ans10- 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

Ans11- 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

Ans12- B. static

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

Ans13- 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

Ans14- 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

Ans15- 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

Ans16- D. -1

Q17. Identify the output of the following program.

```
Public class Test{
```

```
Public static void main(String args[])
```

```
{ String str1 = "one"; String str2 = "two";
```

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

A. one

- B. two
- C. onetwo
- D. twoone

Ans17- 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

Ans18- B. 3

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

Ans19- 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

Ans20- 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

Ans21- A. 50

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

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

Ans22- B. void

Q23.Output of Math.floor(3.6)?

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

Ans23- B. 3.0

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

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

Ans24- 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

Ans25- 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

Ans26- 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

Ans27- D. All of the above

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

A. catch

B. throw

C. final

D. none

Ans28- 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

Ans29- C. ArithmeticException

Q30.Where is System class defined?

A. java.lang.package

B. java.util.package

C. java.io.package

D. None

Ans30- A. java.lang.package