

FULL STACK DEVELOPMENT – WORKSHEET 1

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

Ans. (A) 32 and 64

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

Ans. (A) Byte to int

(B) Int to long

(D) Short to int

Q3. Find the output of the following code.

```
int Integer = 24;
```

```
char String = 'I';
```

```
System.out.print(Integer);
```

```
System.out.print(String);
```

Ans. (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);
```

```
    }
```

```
}
```

Ans. 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);
    }
}

```

Ans. (A) -127

Q6. Select the valid statement.

Ans. (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] + " "); } }`

Ans. (B) 120 200 14

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

Ans. (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]; }`

Ans. [B]. 1

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

Ans. (A) At run time

Q11. Identify the corrected definition of a package.

Ans. 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.

Ans. (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; }

Ans. (B) Only Solution class

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

Ans. B. java.lang.String

Q15. Identify the output of the following program. String str = "abcde"; System.out.println(str.substring(1, 3));

Ans. (B) bc

Q16. Identify the output of the following program. String str = "Hellow"; System.out.println(str.indexOf('t'));

Ans. 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)); } }

Ans. 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";

Ans. 2

Q19. Find the output of the following code. `int ++a = 100; System.out.println(++a)`

Ans. [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"); }`

Ans. [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);`

Ans [A] 50

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

Ans. (B) void

Q23. Output of `Math.floor(3.6)`?

Ans. [B]. 3.0

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

Ans. (D) static

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

Ans. (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);
}
}
```

Ans. [D]. 6

Q27. Identify the infinite loop.

Ans. [D]. All of the above

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

Ans. (A) catch

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

Ans. (C) ArithmeticException

Q30.Where is System class defined?

Ans. (A) java.lang.package