

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 - D

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 – A

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 toString() 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 - C

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 – C

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 - 50

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 - A

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



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