

## 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 3

ans.//A is correct, Size of float is 4byte and double's 8byte.

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.//A,B,D In which automatic conversion is possible.

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 is right answer because Integer and String does not a keyword in java.

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.//Compile time error is thrown.

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 is right Answer it's negates the value because value is out of range to byte.

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 is valid Statement.

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 is right answer,because when we put zero before a digit then that number converting into octal number.

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.reference of the array recieved by the method.

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 is right anwer,because uptodated array is like this[1,1,4,3,1].

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

ans.//C. is the right answer,because it's totally depends on binding if field binded with class that determind at compile time rather than runtime.

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 is right defnition of package.

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.//A. is right answer.

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 is the correct answer, because value of private variable is changed inside the constructor only and private can visible within the class so we need to make a constructor for same 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

ans.//B is right answer.

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 is right answer because subString with index num method returning the output including starting index and excluding ending index.

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 is right answer because t is not present in str.

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 is correct.

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 is correct b,c are following literal concept.

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 is correct.

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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 is correct.

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.//A is correct.

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

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

ans.//B, void is right answer.

Q23.Output of Math.floor(3.6)?

- A. 3
- B. 3.0

- C. 4
- D. 4.0

ans.//B is right answer.

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

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

ans.//D is correct.

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 is correct.

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 is correct because of printing the value outside the loop.

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.//D is right answer.

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

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

ans.//A is correct answer.

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 is right answer.

Q30. Where is System class defined?

A. java.lang.package

B. java.util.package

C. java.io.package

D. None

ans. // C is correct