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 corect,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 but not konwn properly how value get decrease .

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.//c is right anwer but not known proper meaning of a[i] = a[(a[i] + 3) %
a.length]; it.

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 constructer only and private can visible within the class so we need to make a
constructer 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 littral 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.

WORKSHEET
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