**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 Worksheet1

D. 64 and 32

**Ans: 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

**Ans: 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

**Ans: D) 24I**

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) 50**

**Code: public** **class** Question4 {

**public** **static** **void** main(String[] args){

**short** x = 10;

x =(**short**)(x\*5);

System.***out***.print(x);

}

}

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) -127**

**Code: public** **class** Question5 {

**public** **static** **void** main(String[] args){

**byte** x = 127;

x++;

x++;

System.***out***.print(x);

}

}

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) 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

**Ans: B) 120 200 14**

**Code: public** **class** Question7 {

**public** **static** **void** main(String[] args){

**int**[] x = {120, 200, 016};

**for**(**int** i = 0; i < x.length; i++){

System.***out***.print(x[i] + "");

} } }

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) 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

**Ans: B) 1**

**Code: public** **class** Question9 {

**public** **static** **void** main(String[] args) {

**int**[] A = {0,2,4,1,3};

**for**(**int** i = 0; i < A.length; i++){

A[i] = A[(A[i] + 3) % A.length];

}

System.***out***.println(A[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: 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

**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.

A. final

B. static

C. volatile

D. abstract

**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;

}

A. Any class

B. Only Solution class

C. Any class that extends Solution

D. None

**Ans: 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

**Ans: 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

**Ans: B) bc**

**Code: public** **class** Question15 {

**static** String *str* = "abcde";

**public** **static** **void** main(String[] args) {

System.***out***.println(*str*.substring(1, 3));

}

}

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) -1**

**Code: public** **class** Question16 {

**static** String *str* = "Hellow";

**public** **static** **void** main(String [] args) {

System.***out***.println(*str*.indexOf('t'));}}

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) onetwo**

**Code: public** **class** Question17 {

**public** **static** **void** main(String args[]){

String str1 = "one";

String str2 = "two";

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

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: 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

**Ans: B) Error**

Syntax error on token "++", delete this token

a cannot be resolved to a variable

**Code: if removed ++ and added static variable**

**public** **class** Question19 {

**static** **int** *a* =100;

**public** **static** **void** main(String[] args) {

System.***out***.println(++*a*);

}} //output is: 101

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) TRUE**

**Code: public** **class** Question20 {

**public** **static** **void** main(String[] args) {

**if**(1 + 1 + 1 + 1 + 1 == 5){

System.***out***.print("TRUE");

}

**Else** {

System.***out***.print("FALSE");

}}}

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) 50**

**Code: public** **class** Question21 {

**public** **static** **void** main(String[] args) {

**int** x = 5;

x \*= (3 + 7);

System.***out***.println(x);

}}

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**

Q23.Output of Math.floor(3.6)?

A. 3

B. 3.0

C. 4

D. 4.0

**Ans: B) 3.0**

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

A. public

B. protected

C. private

D. static

Ans: **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

**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);

} }

A. 3

B. 4

C. 5

D. 6

**Ans: D) 6**

**Code of program:**

**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);

}

}

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) All of the above**

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

A. catch

B. throw

C. final

D. none

**Ans: 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

**Ans: C) ArithmeticException**

Q30.Where is System class defined?

A. java.lang.package

B. java.util.package

C. java.io.package

D. None

**Ans: A. java.lang.package**