# Batch – CMJD 106

# Module – Programming Fundamentals

## Assignment – 02

[01]

Print() – this statement will print the message on the same line.

Println() – this statement will print the message on a new line.

[02]

class Example {

public static void main(String[] args) {

String name = "Tharindu Madushanka";

String address = "New road, Ganegoda, Rathgama.";

System.out.println("My name is: "+ name);

System.out.println("My address is: "+ address);

}

}

[03]

Literal is the word used to describe the value that appears in the source code as opposed to a variable. There 06 letterals in Java and they are,

* Strings
* Characters
* Floating point numbers
* Integers
* Boolean

[04]

class Example {

public static void main(String[] args) {

int i, j, row = 5;

for (i = 0; i < 5; i++) {

for (j = 0; j <= i; j++) {

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

}

System.out.println();

}

}

}

a

[05]

class Example {

public static void main(String[] args) {

int i, j, row = 5;

for (i = 0; i < 5; i++) {

for (j = 0; j <= i; j++) {

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

}

System.out.println();

}

}

}

[07]

public class Main {

public static void main(String[] args) {

int i = 100;

int age=20;

System.out.println("The sge is "+age);

}

}

[08]

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner input=new Scanner(System.in);

System.out.println("Enter nb 1: ");

double nb1 = input.nextDouble();

System.out.println("Enter nb 2: ");

double nb2 = input.nextDouble();

double sum = nb1+nb2;

System.out.println(nb1+" + "+nb2+" = "+ sum);

}

}

[09]

a) public class Main {

public static void main(String[] args) {

int x,y;

x=10;

y=20;

System.out.println(x+" "+y);

}

}

b)

public class Main {  
 public static void main(String[] args) {  
  
 int x,y;  
 x=10;  
 y=20;  
 System.*out*.println(y+" "+x);  
 }  
}

[10]

public class Main {  
 public static void main(String[] args) {  
  
 int computing, maths, Science, English;  
  
 computing = 50;  
 maths = 60;  
 Science = 70;  
 English = 80;  
  
  
 int total = computing + maths + Science + English;  
 double average = total / 4;  
  
 System.*out*.println("The total is " + total);  
 System.*out*.println(computing + maths + Science + English);  
 System.*out*.println(computing + " " + maths + " " + Science + " " + English);  
 System.*out*.println("The average is " + average);  
  
 }  
}

[11]

import java.util.Scanner;  
  
public class Main {  
 public static void main(String[] args) {  
  
 Scanner input=new Scanner(System.*in*);  
 System.*out*.println("Enter value in inches:");  
 double inch=input.nextDouble();  
  
 double mili= inch\*25.4;  
  
 System.*out*.println(inch+" ="+mili+" mm.");  
  
 }  
}

[12]

import java.util.Scanner;  
  
public class Main {  
 public static void main(String[] args) {  
  
 Scanner input=new Scanner(System.*in*);  
 System.*out*.println("Enter value in ounce:");  
 double ounce=input.nextDouble();  
  
 double gram= ounce\*28.3495;  
  
 System.*out*.println(ounce+" ="+gram+" g.");  
  
 }  
}

[13]

import java.util.ArrayList;  
  
public class Main {  
 public static void main(String[] args) {  
  
 ArrayList<Integer> marks = new ArrayList<Integer>();  
 marks.add(34);  
 marks.add(45);  
 marks.add(62);  
 marks.add(34);  
 marks.add(23);  
 marks.add(89);  
 marks.add(56);  
 marks.add(45);  
 marks.add(67);  
 marks.add(56);  
  
 int total = 0;  
  
   
 for (int i : marks) {  
 total += i;  
 }  
  
 int length = marks.size();  
 int average = total / length;  
  
 System.*out*.println("Marks = " + marks);  
 System.*out*.println("Total = " + total);  
 System.*out*.println("Average = " + average);  
 }  
}

[14]

Answer d

In this case first declare a variable called x then answer d is correctly assign 200 for variable x.

[15]

Answer e

[16]

\*A

B

\*CD

\*EF

\*G

H

[17]

* 60
* 10+20+30
* 10+2030
* 102030
* 102030
* 3030
* 102030

[19]

public class Main {  
 public static void main(String[] args) {  
  
 int sum,x;  
 x=1;  
 sum=0;  
  
 int result=x+sum;  
 System.*out*.println("The sum is "+result);  
 }  
}

[21]

Answer b

[22]

public class Main {  
 public static void main(String[] args) {  
  
 System.*out*.println("ABC");  
 System.*out*.println("XYZ");  
 System.*out*.println("PQR");  
 }  
}

[23]

* 10
* 20
* 30
* 200

[24]

Give a compile error.

[25]

Give an error.

[26]

public class Main {  
 public static void main(String[] args) {  
  
 System.*out*.println("Name : Student 1");  
 System.*out*.println("Total : 673");  
 System.*out*.println("Average : 67.3");  
 System.*out*.println("Grade : B");  
  
 }  
}

[27]

Answer b

[28]

a, b, c, g

[29]

Answer e.

[30]

Answer e.

[31]

Answer is 18

[32]

Answer c.

[33]

* 6
* 123
* 123
* 1 2 3
* ABC
* ABC
* 397

[34]

A

C

D

E

F

G