Day-1 Java Lab Exercises

1. Write a Java application to generate the following output.

Hello World

Hello Everyone

Also display your address.

class First

{

public static void main(String args[])

{

System.out.println("Hello World");

System.out.println("Hello Everyone");

System.out.println("Address:");

System.out.println("Mallesh Patil,Bagalkot,Karnataka");

}

}

2. Write a program that prints “Java” 4 times.

class Second

{

public static void main(String args[])

{

System.out.println("java");

System.out.println("java");

System.out.println("java");

System.out.println("java");

}

}

3. Write a Java program to convert meters to kilometers and display the output in kilometers.

class Third

{

public static void main(String args[])

{

int i=2000;

System.out.println("the distance is= "+i+" meters");

int km=i/1000;

System.out.println("the distance in kilometer is= "+km);

}

}

4. Write an application that will have 3 integer variables with values assigned and prints their sum, product, difference and quotient (division).

class Fourth

{

public static void main(String argv[])

{

int a=10,b=5,c;

System.out.println("values of the variables are a=10, b=5");

c=a+b;

System.out.println("Sum= "+c);

c=a-b;

System.out.println("Difference= "+c);

c=a\*b;

System.out.println("Product= "+c);

c=a/b;

System.out.println("Quotient= "+c);

}

}

5. Write an application that displays a box, an oval, an arrow and a diamond using asterisks (\*), as follows:

class Fifth

{

public static void main(String argv[])

{

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

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

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

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

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

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

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

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

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

}

}

6. Write a program to print the largest of two numbers.

class Sixth

{

public static void main(String args[])

{

int a=10,b=9;

System.out.println("values of the variables are a=10, b=9");

if(a>b)

System.out.println("greater value is="+a);

else

System.out.println("greater value is="+b);

}

}

7. Write a program to read the price of an item in decimal form (like 15.95) and print the output in paise ( like 1595) .

class Seventh

{

public static void main(String argv[])

{

float j=15.95f;

System.out.println("Price of an item in paisa="+j);

float i=j\*100;

System.out.println("Price of an item in rupees="+i);

}

}

8. Write an application that holds the radius of a circle as an integer and prints the circle's diameter, circumference and area using the floating-point value 3.14159 for p Use the following formulas (r is the radius):

class Nine

{

public static void main(String argv[])

{

int r=5,d;

float PI=3.14159f,circum,area;

d=2\*r;

circum=2\*PI\*r;

area=PI\*r\*r;

System.out.println("given radius= "+r);

System.out.println("calculated diameter= "+d);

System.out.println("calculated circumference= "+circum);

System.out.println("calculated area= "+area);

}

}

9. Using only the programming techniques you learned in this chapter, write an application that calculates the squares and cubes of the numbers from 0 to 10 and prints the resulting values in table format, as shown below.

class Ten

{

public static void main(String argv[])

{

System.out.println("number"+"\t"+"square"+"\t"+"cube");

for(int i=0;i<=10;i++)

System.out.println(i+"\t"+i\*i+"\t"+i\*i\*i);

}

}