1. **Write a Java Program to convert Binary to Decimal number. To convert Binary to Decimal number input-110110111 output-439**
2. package milestone;
3. public class Convertion {
4. public static void main(String[] args) {
5. String binary="110110111";
6. int decimal=Integer.*parseInt*(binary,2);
7. System.***out***.println(decimal);
8. }
9. }

**2. Write a Java Program to calculate power using recursion**

**To calculate power using recursion**

**input-3**

**4**

**output-81**

package milestone;

import java.util.Scanner;

public class Power {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

Scanner a=new Scanner(System.***in***);

System.***out***.println("enter first value");

int base=a.nextInt();

System.***out***.println("enter second value");

int exponent=a.nextInt();

int result = *calculatePower*(base, exponent);

System.***out***.println("result"+result);

}

public static int calculatePower(int base,int exponent) {

if(exponent ==0) {

return 1;

}else {

return base \* *calculatePower*(base,exponent - 1);

}

}

}

**3. Write a Java Program to find Average numbers and Second Maximum of number Using Arrays.**

**To Average Using Arrays.**

**input-45.3, 67.5, -45.6, 20.34, 33.0, 45.6**

**output=27.69**

**45.6**

package milestone;

import java.util.Scanner;

public class Average {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

Scanner a=new Scanner(System.***in***);

System.***out***.println("enter the number");

int n= a.nextInt();

double [] num=new double[n];

double sum =0;

for(int i=0;i<n;i++) {

System.***out***.println("enter the number"+(i+1)+":");

num[i]=a.nextDouble();

sum +=num[i];

}

double avarage=sum/n;

System.***out***.println("average"+avarage);

}

}