1. Accept a numeric array datafor 5 numbersandfind the largest number

package mycorejavaproject;

import java.util.Scanner;

public class Assignment1 {

public static void main(String[] args) {

int n=5;

int a[] = new int[n];

int max;

Scanner s = new Scanner(System.in);

System.out.println("Enter the elements of array:");

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

{

int input = s.nextInt();

a[i] = input;

}

max = a[0];

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

{

if(max < a[i])

{

max = a[i];

}

}

System.out.println("Maximum value in the array is:"+max);

}

}

1. create methods to find the cube and square of a given number

package mycorejavaproject;

import java.util.Scanner;

public class Assignment2 {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int num;

System.out.print("Enter an integer number: ");

num = sc.nextInt();

System.out.println("Square of " + num + " is: " + Math.pow(num, 2));

System.out.println("Cube of " + num + " is: " + Math.pow(num, 3));

}

}

1. Create a method to swap two numbers swap means interchange

package mycorejavaproject;

public class Assignment3 {

public static void SwapNumber(int num1, int num2) {

int x = num1;

int y = num2;

int temp = 0;

System.out.println("Before Swap");

System.out.println("the value of x is: " + x);

System.out.println("the value of y is: " + y);

System.out.println("After Swap");

temp = x;

x = y;

y = temp;

System.out.println("the value of x is: " + x);

System.out.println("the value of y is: " + y);

}

public static void main(String[] args) {

int x = 1;

int y = 2;

SwapNumber(x, y);

}

}

1. write the switch case construct perform the calculations .

package mycorejavaproject;

import java.util.Scanner;

public class Assignment4 {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

while (true) {

System.out.print("Enter 1st number:");

int num1 = sc.nextInt();

System.out.print("Enter 2nd number:");

int num2 = sc.nextInt();

System.out.println("Output: x = " + num1 + " y = " + num2);

System.out.print("What operation?");

char operation = sc.next().charAt(0);

switch (operation) {

case '+':

System.out.println("Add two numbers;");

int sum = num1 + num2;

System.out.println("the sum of two number: "+ sum);

break;

case '-':

System.out.println("Subtract two numbers;");

int diff = num1 - num2;

System.out.println("the difference of two number: "+ diff);

break;

case '\*':

System.out.println("Multiply two numbers;");

int product = num1 \* num2;

System.out.println("the product of two number: "+ product);

break;

case '/':

System.out.println("Divide two numbers;");

int quotient = num1 / num2;

System.out.println("the quotient of two number: "+ quotient);

break;

default:

System.out.println("invalid Input");

}

}

}

}