**Practical Assignment Question**

1. write a program to demonstrate overloading with 3 different parameter.

public class Sum {

public int sum(int x, int y)

{

return (x + y);

}

public int sum(int x, int y, int z)

{

return (x + y + z);

}

public double sum(double x, double y)

{

return (x + y);

}

public static void main(String args[])

{

Sum s = new Sum();

System.out.println(s.sum(10, 20));

System.out.println(s.sum(10, 20, 30));

System.out.println(s.sum(10.5, 20.5));

}

}

1. write a program to create an object of an class which contains a method and call that class method in main method

class Test1

{

public void display() {

System.out.println("this is the display method present in other class");

}

}

public class Test {

public static void main(String[] args) {

// object creation

Test1 t1=new Test1();

t1.display(); }}

3.write a Java program to calculate the sum of all elements in an initeger array?

public class Adder {

public static void main(String[] args) {

sum(new int[] {10,20,30,40,50,60});

}

public static void sum(int[] x)

{

int total=0;

for(int x1 :x)

{

total=total+x1;

}

System.out.println("the sum of array is: "+ total);

}

}

1. Write a java program to find the index of a specific element in an integer array?

public class IndexFind {

public static int IndexFinder(int[] arr,int x) {

for(int i=0;i<=arr.length;i++)

{

if(arr[i]==x)

{

return i;

}

}

return -1;

}

public static void main(String[] args) {

int[] array = {1, 2, 3, 4, 5};

int element = 3;

int index = IndexFinder(array, element);

System.out.println("Index of element " + element + " is: " + index);

}

}

1. Write a java program to print the entire array?

public class PrintArray {

public static void main(String[] args) {

int[] arr=new int[6];

arr[0]=10;

arr[1]=20;

arr[2]=30;

arr[3]=40;

arr[4]=50;

arr[5]=60;

System.out.println("your array is");

for(int arr1: arr)

{

System.out.print(" "+arr1);

}

}

}

2nd way

public class PrintArray {

public static void main(String[] args) {

int[] arr= {10,20,30,40,50};

System.out.println("your array is");

for(int arr1: arr)

{

System.out.print(" "+arr1);

}

}

}