**Practical Assignment 1**

1. **Write a program to demonstrate method overloading with 3 parameters**

public class MethodOverLoading

{

public static int add(int a,int b)

{

return a+b;

}

public static int add(int a,int b,int c)

{

return a+b+c;

}

public static int add(int a, int b, int c, int d)

{

return a+b+c+d;

}

public static void main(String[] args)

{

int a=10,b=20,c=30,d=40;

System.out.println(add(a, b));

System.out.println(add(a, b, c));

System.out.println(add(a, b, c, d));

}

}

1. **Write a program to create an object of an class which contain a function**

**class parent**

**{**

**public static int add(int a,int b)**

**{**

**return a+b;**

**}**

**public static int add(int a,int b,int c)**

**{**

**return a+b+c;**

**}**

**public static int add(int a, int b, int c, int d)**

**{**

**return a+b+c+d;**

**}**

**}**

**class demo**

**{**

**public static void main(String[] args)**

**{**

**parent p=new parent();**

**int a=10,b=20,c=30,d=40;**

**System.out.println(p.add(a, b));**

**System.out.println(p.add(a, b, c));**

**System.out.println(p.add(a, b, c, d));**

**}**

**}**

1. **Write a Java program to calculate all elements in array**

**public class AddArray**

**{**

**public static void main(String Args[])**

**{**

**int a[]={1,5,8,3,5,2,9};**

**int s=0;**

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

**{**

**s=s+a[i];**

**}**

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

**}**

**}**

1. **Write a program to find a specific index no.**

**class index**

**{**

**public static void main(String[] args)**

**{**

**int a[]={3,6,2,9,7,1,0,4};**

**int b=1;**

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

**{**

**if(a[i]==1)**

**{**

**System.out.println(i);**

**}**

**}**

**}**

**}**

1. **Write a java program to print entire array**

**class index**

**{**

**public static void main(String[] args)**

**{**

**int a[]={3,6,2,9,7,1,0,4};**

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

**{**

**System.out.println(a[i]);**

**}**

**}**

**}**