**Module-3**

**Assignment-3**

**Codes:**

**Inquisitive\_jonah\_1:**

**package** Module\_3;

**import** java.io.\*;

**public** **class** inquisitive\_jonah\_1 {

**int** a;

**int** b;

**double** c;

**double** d;

inquisitive\_jonah\_1(){

a=0;

b=0;

c=0.00;

d=0.00;

}

**int** calculate(**int** a,**int** b) {

**int** p=1;

p=a\*b;

**return** p;

}

**double** calculate(**double** c,**double** d) {

**double** p=1.00;

p=c\*d;

**return** p;

}

}

**Inquisitive\_jonah\_2:**

**package** Module\_3;

**import** java.io.\*;

**public** **class** inquisitive\_jonah\_2 **extends** inquisitive\_jonah\_1 {

**int** a;

**int** b;

**double** c;

**double** d;

inquisitive\_jonah\_2(){

a=0;

b=0;

c=0.00;

d=0.00;

}

**int** calculate(**int** a,**int** b) {

**int** sum=0;

sum=a+b;

**return** sum;

}

**double** calculate(**double** c,**double** d) {

**double** sum=0.00;

sum=c+d;

**return** sum;

}

}

**Inquisitive\_jonah\_main:**

**package** Module\_3;

**import** java.io.\*;

**public** **class** inquisitive\_jonah\_main {

**public** **static** **void** main(String args[])**throws** IOException{

InputStreamReader isr=**new** InputStreamReader(System.***in***);

BufferedReader br=**new** BufferedReader(isr);

System.***out***.println("Enter the four inputs:");

**int** a=Integer.*parseInt*(br.readLine());

**int** b=Integer.*parseInt*(br.readLine());

**double** c=Double.*parseDouble*(br.readLine());

**double** d=Double.*parseDouble*(br.readLine());

inquisitive\_jonah\_2 ob=**new** inquisitive\_jonah\_2();

**int** res1=ob.calculate(a,b);

System.***out***.println("The sum of the given numbers: "+res1);

**double** res2=ob.calculate(c,d);

System.***out***.println("The sum of the given float numbers: "+res2);

}

}

**Output:**

Enter the four inputs:

12

24

36

48

The sum of the given numbers: 36

The sum of the given float numbers: 84.0