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
```