```java
package labtask8;
import java.util.Scanner;
public class Trial {


        public static void exercise(){
            int x=0;
            do{
                try{
                    Scanner input = new Scanner(System.in);
                    System.out.print("Enter First Number: ");
                    int num1 = input.nextInt();
                    System.out.print("Enter Seccond Number: ");
                    int num2 = input.nextInt();
                    System.out.println("Result: "+num1+"/"+num2+" = "+num1/num2);
                    x =1;
                }
                catch(Exception e){
                    System.out.println("Exception occured: "+e);
                }
                finally{
                    if(x==1){
                        System.out.println("Task Completed Successfully.Thank
you");
                    }
                    else{
                        System.out.println("Enter number again");
                    }
                }
            }
            while(x==0);
        }
}



package labtask8;

public abstract class Animal {

    public abstract void animalsound();


}



package labtask8;

public class Cat extends Animal {

    @Override
    public void animalsound()
    {
```

```java
            System.out.println("mew");
        }

}


package labtask8;

public class Dog extends Animal{

        @Override
        public void animalsound()
        {
                System.out.println("vaw");
        }


}


package labtask8;

public abstract class Mobileuser {

        public abstract void callingby();
        public abstract void msgfrom();



}


package labtask8;

public class Amir extends Mobileuser{

        @Override
        public void callingby()
        {
                System.out.println("calling by Amir");
        }

        @Override
        public void msgfrom()
        {
                System.out.println("msg:Hi its Amir");
        }



}


package labtask8;
```

```java
public class Salman extends Mobileuser{

    @Override
    public void callingby()
    {
        System.out.println("calling by Salman");
    }

    @Override
    public void msgfrom()
    {
        System.out.println("msg:Hi its Salman");
    }



}


package labtask8;

public class Main {

    public static void main(String[] args) {


        Trial t=new Trial();
        t.exercise();

        Animal obj=new Cat();
        obj.animalsound();
        Animal obj1=new Dog();
        obj1.animalsound();

        Mobileuser obj2=new Salman();
        obj2.callingby();
        obj2.msgfrom();

        Mobileuser obj3=new Amir();
        obj3.callingby();
        obj3.msgfrom();
    }

}
```

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DifferentSequenceOfParameters2.java   package-info.java   Animal.java   Problems   Javadoc   Declaration   Console

```java
package labtask8;

public class Main {

    public static void main(String[] args) {


        Trial t=new Trial();
        t.exercise();

        Animal obj=new Cat();
        obj.animalsound();
        Animal obj1=new Dog();
        obj1.animalsound();

        Mobileuser obj2=new Salman();
        obj2.callingby();
        obj2.msgfrom();

        Mobileuser obj3=new Amir();
        obj3.callingby();
        obj3.msgfrom();
    }

}
```

```
<terminated> Main (1) [Java Application] C:\Program Files\Java\jdk-14.0.1\bin\javaw.exe (Sep 7, 2020, 11:24:43 AM – 11:25:20 AM)
Enter First Number: 5
Enter Seccond Number: hi
Exception occured: java.util.InputMismatchException
Enter number again
Enter First Number: 40
Enter Seccond Number: 0
Exception occured: java.lang.ArithmeticException: / by zero
Enter number again
Enter First Number: 20
Enter Seccond Number: 10
Result: 20/10 = 2
Task Completed Successfully.Thank you
mew
vaw
calling by Salman
msg:Hi its Salman
calling by Amir
msg:Hi its Amir
```