

18BCA3075

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IP Experiment NO 8

QUESTION

Create user-defined class which will provide two methods:

- setData – to get two numbers from user
- showResult – to calculate the division of entered numbers Also make sure you are handling the ArithmeticException and NumberFormatException.

CODE:

```
import java.util.Scanner;

class experiment{

    public static void main(String arg[]){
        experiment obj = new experiment();
        int x = obj.setData();
        int y = obj.setData();
        obj.showResult(x,y);
    }

    int setData(){
        Scanner scan=new Scanner(System.in);
        try {
            System.out.print("Enter a number : ");
            String a=scan.next();
            int b = Integer.parseInt(a);
```

```
        return b;
    }
    catch (NumberFormatException m) {
        System.out.println ("Sorry only numbers");
    }
    return 1;
}

void showResult(int a,int b){
    try{
        int result=a/b;
        System.out.println ("Result : "+result);
    }
    catch(ArithmeticException e){
        System.out.println ("Sorry number divide by 0 is not possible");
    }

}

}
```

