

```
import java.util.Scanner;
class noargs extends Exception
{
    public String toString()
    {
        return "There are no arguments given.";
    }
}
class negmarks extends Exception
{
    public String toString()
    {
        return "The marks cannot be negative";
    }
}
class StudentMain
{
    static void NoargsIn(String args[]) throws noargs
    {
        if(args.length==0)
        {
            throw new noargs();
        }
        for(int i=0;i<10;i++)
        {
            if(args[i]==null)
            {
                throw new noargs();
            }
        }
    }
}
```

```
static void NegMarksE(int marks[]) throws negmarks
{
    for(int i=0;i<3;i++)
    {
        if(marks[i]<0)
        {
            throw new negmarks();
        }
    }
}
```

Run | Debug

```
public static void main(String args[])
{
    try{
        String name1,name2,usn1,usn2;
        int marks1[]=new int[3];
        int marks2[]=new int[3];
        NoargsIn(args);
        usn1=args[0];
        name1=args[1];
        for(int i=0;i<3;i++)
        {
            marks1[i]=Integer.parseInt(args[i+2]);
        }
        NegMarksE(marks1);
        usn2=args[5];
        name2=args[6];
        for(int i=0;i<3;i++)
        {
            marks2[i]=Integer.parseInt(args[i+7]);
        }

        NegMarksE(marks2);
        System.out.println("The Details of student 1:");
        System.out.println(name1);
        System.out.println(usn1);
    }
}
```

```

        NegMarksE(marks2);
        System.out.println("The Details of student 1:");
        System.out.println(name1);
        System.out.println(usn1);
        for(int i=0;i<3;i++)
        {
            System.out.println(marks1[i]);
        }
        System.out.println("The Details of student 2:");
        System.out.println(name2);
        System.out.println(usn2);
        for(int i=0;i<3;i++)
        {
            System.out.println(marks2[i]);
        }
        System.out.println("the program executed without errors.");
    }
    catch(noargs na)
    {
        System.out.println(na);
    }
    catch(negmarks nm)
    {
        System.out.println(nm);
    }
    catch(ArrayIndexOutOfBoundsException aib)
    {
        System.out.println("There are no enough arguments given in the commandline");
    }
}
}

```

```
D:\>cd D:\Java Programs\00J Lab Test 2
```

```
D:\Java Programs\00J Lab Test 2>java StudentMain 1bm19cs072 khushil 23 45 67 1bm19cs074 sharat 56 78 89
```

```
The Details of student 1:
```

```
khushil
```

```
1bm19cs072
```

```
23
```

```
45
```

```
67
```

```
The Details of student 2:
```

```
sharat
```

```
1bm19cs074
```

```
56
```

```
78
```

```
89
```

```
the program executed without errors.
```

```
D:\Java Programs\00J Lab Test 2>java StudentMain 1bm19cs072 khushil 23 45 67 1bm19cs074 sharat 56 78 -89
```

```
The marks cannot be negative
```

```
D:\Java Programs\00J Lab Test 2>java StudentMain 1bm19cs072 khushil 23 45 67 1bm19cs074
```

```
There are no enough arguments given in the commandline
```

```
D:\Java Programs\00J Lab Test 2>java StudentMain
```

```
There are no arguments given.
```

```
D:\Java Programs\00J Lab Test 2>
```