OOJ LAB TEST 2(CODE+OUTPUT):

USN: 1BM19CS074

NAME: KIZHAKEL SHARAT PRASAD

Exception Handling:

Create a class Student which includes instance variables usn, name and marks of three subjects. Accept the input for two students through command line arguments. Raise an user defined exception 'noargs' if no arguments are given in command line. Also raise an exception when negative mark is given for any of the subject.

CODE:

```
class noargs extends Exception
{int n;
noargs(int n)
{
this.n=n;
}
public String toString()
{
return n+"["+"NO COMMAND LINE ARGS"+"]";
}
}
```

```java
class neg_args extends Exception
{int i;
neg_args(int x)
{
i=x;
}
public String toString()
{
  return i+"["+"NEG NUMBER"+"]";
}
}
class Student{
public static void main(String args[]) {
try {
        int len= args.length;
if(len==0)
{
throw new noargs(0);
}
System.out.println("STUDENT 1:");
System.out.println("USN:"+args[0]);
System.out.println("Name:"+args[1]);
System.out.println("Marks1:"+args[2]);
System.out.println("Marks2:"+args[3]);
System.out.println("Marks3:"+args[4]);
```

```java
System.out.println("STUDENT 2:");

System.out.println("USN:"+args[5]);

System.out.println("Name:"+args[6]);

System.out.println("Marks1:"+args[7]);

System.out.println("Marks2:"+args[8]);

System.out.println("Marks3:"+args[9]);


int a=Integer.parseInt(args[2]);

int x=Integer.parseInt(args[7]);

int y=Integer.parseInt(args[8]);

int z=Integer.parseInt(args[9]);

if(a<0)

{

throw new neg_args(a);

}

int b=Integer.parseInt(args[3]);

if(b<0)

{

throw new neg_args(b);

}

int c=Integer.parseInt(args[4]);

if(c<0)

{

throw new neg_args(c);

}
```
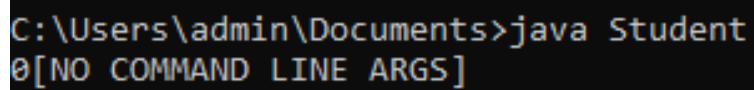
```java
if(x<0||y<0||z<0)

{

        throw new neg_args(-1);

}

}


catch(noargs e) {

System.out.println(e);

}

catch(neg_args e)

{

System.out.println(e);

}

}

}
```

OUTPUT:

1) FOR NO COMMAND LINE ARGUMENTS


```
C:\Users\admin\Documents>java Student
0[NO COMMAND LINE ARGS]
```

2) FOR NEGATIVE COMMAND LINE ARGUMENTS(MARKS)

```
C:\Users\admin\Documents>java Student 1BM19CS074 Sharat 12 34 56 1BM19CS072 xyz -23 43 56
STUDENT 1:
USN:1BM19CS074
Name:Sharat
Marks1:12
Marks2:34
Marks3:56
STUDENT 2:
USN:1BM19CS072
Name:xyz
Marks1:-23
Marks2:43
Marks3:56
-1[NEG NUMBER]
```