

```
class MyExcep extends Exception
{
    public MyExcep(String message) {
        super(message);
    }
}

public class Factorial_Exception
{
    public static void main(String[] args) {
        int n;
        for(int i=0;i<args.length;i++){
            try {
                int fact = 1;
                n = Integer.parseInt(args[i]);

                if (n < 0 || n > 15) {
                    throw new MyExcep("Invalid input! Integer must be
between 0 and 15.");
                }

                for (int j = 1; j <= n; j++) {
                    fact *= j;
                }

                System.out.println("Factorial of " + n + " is: " +
fact);

            } catch (MyExcep e) {
                System.out.println(e.getMessage());
            }
        }
    }
}
```

```
        } catch (NumberFormatException e) {  
            System.out.println("Invalid input! Please enter an  
integer value.");  
        }  
    }  
}
```

OUTPUT

```
Last login: Fri Apr 28 20:52:03 on ttys001  
(base) harshgandhi@HarshGandhisMac ~ % cd ~\Desktop  
zsh: no such user or named directory: Desktop  
(base) harshgandhi@HarshGandhisMac ~ % cd ~/Desktop  
(base) harshgandhi@HarshGandhisMac Desktop % javac Factorial_Exception.java  
(base) harshgandhi@HarshGandhisMac Desktop % java Factorial_Exception 8 abcd 14  
Factorial of 8 is: 40320  
Invalid input! Please enter an integer value.  
Factorial of 14 is: 1278945280  
(base) harshgandhi@HarshGandhisMac Desktop %
```