

```
A number is chosen between 1 to 100. Guess the number within 5 trials.  
Guess the number:  
4  
The number is greater than 4  
Guess the number:  
44  
The number is greater than 44  
Guess the number:  
60  
The number is greater than 60  
Guess the number:  
8  
The number is greater than 8  
Guess the number:  
40  
You have exhausted K trials.  
The number was 80
```