

Question 1 (Hi Lo Game) Test Exhibits.

Two runs where the user guesses successfully. Includes out of range input scenarios:

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The computer has picked a random number between 1 and 100 (inclusive).
Take a guess at what the number is, or guess 0 to quit: 50
50 is a bit low.
Guess again, or guess 0 to quit: 75
75 is a bit low.
Guess again, or guess 0 to quit: 88
88 is a bit high.
Guess again, or guess 0 to quit: 82
82 is a bit high.
Guess again, or guess 0 to quit: 78

Bingo bango! The number is 78. Nice work champ. That took you 5 guesses. You can do better.

Play again (Y/N)? y

The computer has picked a random number between 1 and 100 (inclusive).
Take a guess at what the number is, or guess 0 to quit: -100
Not great at reading, are we. Your guess is out of range mate.
Guess again, or guess 0 to quit: 101
Not great at reading, are we. Your guess is out of range mate.
Guess again, or guess 0 to quit: 50
50 is a bit low.
Guess again, or guess 0 to quit: 75
75 is a bit low.
Guess again, or guess 0 to quit: 88
88 is a bit low.
Guess again, or guess 0 to quit: 94
94 is a bit low.
Guess again, or guess 0 to quit: 97
97 is a bit low.
Guess again, or guess 0 to quit: 99
99 is a bit low.
Guess again, or guess 0 to quit: 100

Bingo bango! The number is 100. Nice work champ. That took you 7 guesses. You can do better.

Play again (Y/N)?
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A few games quit in progress, as well as another out of range input scenario.

```
The computer has picked a random number between 1 and 100 (inclusive).  
Take a guess at what the number is, or guess 0 to quit: -100  
Not great at reading, are we. Your guess is out of range mate.  
Guess again, or guess 0 to quit: 0  
Play again (Y/N)? y
```

```
The computer has picked a random number between 1 and 100 (inclusive).  
Take a guess at what the number is, or guess 0 to quit: 100  
100 is a bit high.  
Guess again, or guess 0 to quit: 1  
1 is a bit low.  
Guess again, or guess 0 to quit: 50  
50 is a bit high.  
Guess again, or guess 0 to quit: 0  
Play again (Y/N)? y
```

```
The computer has picked a random number between 1 and 100 (inclusive).  
Take a guess at what the number is, or guess 0 to quit: 0  
Play again (Y/N)? y
```

```
The computer has picked a random number between 1 and 100 (inclusive).  
Take a guess at what the number is, or guess 0 to quit: 50  
50 is a bit low.  
Guess again, or guess 0 to quit: -100  
Not great at reading, are we. Your guess is out of range mate.  
Guess again, or guess 0 to quit: 0  
Play again (Y/N)? n
```

Scenario where user is correct on the first guess:

```
The computer has picked a random number between 1 and 100 (inclusive).  
Take a guess at what the number is, or guess 0 to quit: 50  
  
First guess? Seriously? Go buy a damn lotto ticket.
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Question 2 (Character Input Analysis) Test Exhibits

Each vowel separately:

The following returns a variety of information regarding the characters input.
Enter a string of characters, such as a word, phrase, or quote:

a

The string contains:

A's: 1 E's: 0 I's: 0 O's: 0 U's: 0

Consonants: 0

Spaces: 0

All other characters: 0

Total characters: 1

Analyze another (Y/N)?

The following returns a variety of information regarding the characters input.
Enter a string of characters, such as a word, phrase, or quote:

e

The string contains:

A's: 0 E's: 1 I's: 0 O's: 0 U's: 0

Consonants: 0

Spaces: 0

All other characters: 0

Total characters: 1

Analyze another (Y/N)?

The following returns a variety of information regarding the characters input.
Enter a string of characters, such as a word, phrase, or quote:

i

The string contains:

A's: 0 E's: 0 I's: 1 O's: 0 U's: 0

Consonants: 0

Spaces: 0

All other characters: 0

Total characters: 1

Analyze another (Y/N)?

The following returns a variety of information regarding the characters input.
Enter a string of characters, such as a word, phrase, or quote:

o

The string contains:

A's: 0 E's: 0 I's: 0 O's: 1 U's: 0

Consonants: 0

Spaces: 0

All other characters: 0

Total characters: 1

Analyze another (Y/N)?

The following returns a variety of information regarding the characters input.
Enter a string of characters, such as a word, phrase, or quote:

U

The string contains:

A's: 0 E's: 0 I's: 0 O's: 0 U's: 1

Consonants: 0

Spaces: 0

All other characters: 0

Total characters: 1

Analyze another (Y/N)?

Only consonants:

The following returns a variety of information regarding the characters input.
Enter a string of characters, such as a word, phrase, or quote:

ghmnbtrw

The string contains:

A's: 0 E's: 0 I's: 0 O's: 0 U's: 0

Consonants: 8

Spaces: 0

All other characters: 0

Total characters: 8

Analyze another (Y/N)?

Start with spaces:

The following returns a variety of information regarding the characters input.
Enter a string of characters, such as a word, phrase, or quote:

.

The string contains:

A's: 0 E's: 0 I's: 0 O's: 0 U's: 0

Consonants: 0

Spaces: 5

All other characters: 1

Total characters: 6

Analyze another (Y/N)?

A full quote:

The following returns a variety of information regarding the characters input.
Enter a string of characters, such as a word, phrase, or quote:

A place for everything, and everything all over the place.

The string contains:

A's: 5 E's: 8 I's: 2 O's: 2 U's: 0

Consonants: 30

Spaces: 9

All other characters: 2

Total characters: 58

Analyze another (Y/N)?

One word

The following returns a variety of information regarding the characters input.
Enter a string of characters, such as a word, phrase, or quote:

abracadabra

The string contains:

A's: 5 E's: 0 I's: 0 O's: 0 U's: 0

Consonants: 6

Spaces: 0

All other characters: 0

Total characters: 11

Analyze another (Y/N)?