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## Lab10-1/Chapter7 Algorithms

1 - Algorithm that prompts the user to enter a positive nonzero number.

```
Declare Real number = 0
While number < 1
    Display "Please enter a positive, nonzero number: "
    Input number
End While
Display "Thank you!"
```

2 - Algorithm that prompts user to enter a number in range of 1 to 100

```
Declare Real number = 0
While number < 1 OR number > 100
    Display "Please enter a number in range 1 to 100: "
    Input number
End While
Display "Thank you!"
```

3 - Algorithm that prompts the user to enter "yes" or "no"

```
Declare String answer = ""
While toLower(answer) != "yes" OR toLower(answer) != "no"
    Display "Please enter 'yes' or 'no': "
    Input answer
End While
Display "Thank you!"
```

4 - Algorithm that prompts the user to enter a number that is greater than 99.

```
Declare Real number = 0
While number > 99
    Display "Please enter a number that is greater than 99: "
    Input number
End While
Display "Thank you!"
```

5 - Algorithm that prompts the user to enter a secret word that is at least 8 characters long.

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```
Declare String secret = ""
While length(secret) < 8
    Display "Please enter a secret word that is at least 8 characters long: "
    Input secret
End While
Display "Thank you!"
```