

# Program\_03\_3

## Requirements

Develop an algorithm that collects a count of the numbers entered, it must satisfy the following requirements

- Accept input of 10 values using a for loop
- If the value exceeds 10, notify the user it cannot accept values over 10 and use the maximum value instead
- If the value is less than 1, notify the user it cannot accept values under 1 and use the minimum value instead
- Display the count of each value entered
- There should be no repeated code (do not copy-paste input(...) ten times)
- Your output should match the output shown below.

## Program

In the code block below, create your program, editing the existing text as necessary.

**Tip:** Store the maximum and minimum entry values in a **CONSTANT** so that, if the min and max values ever change, you will only have to change the values in one variable (constant) value.

**Note:** If you are using Octave then you will need to create a separate script file, save that separate file as the name **Program\_03\_03**. It will not conflict with this file of the same name since the extension will be different.

```
% Filename:
% Author:
% Assisted by:
% Date:

% Program Description:

% Clear the command window and all variables

% Output of the title and author to the command window.

% Main program
```

## Output

Output for Program\_03\_1 written by Geoff Berl.

Please enter a value 1-10: 0

I cannot accept values less than 1, using the value 1 instead.

Please enter a value 1-10: 0

I cannot accept values less than 1, using the value 1 instead.

Please enter a value 1-10: 6

Please enter a value 1-10: 5

Please enter a value 1-10: 4

Please enter a value 1-10: 5

Please enter a value 1-10: 4

Please enter a value 1-10: 3

Please enter a value 1-10: 11

I cannot accept values greater than 10, using the value 10 instead.

Please enter a value 1-10: 10

Range	Count
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1	2
---	---

2	0
---	---

3	1
---	---

4	2
---	---

5	2
---	---

6	1
---	---

7	0
---	---

8	0
---	---

9	0
---	---

10	2
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