Q1. Tell how many numbers exist between two user entered numbers that are divisible with 1, 2, 3, 4, 5, 6, 7, 8 and 9 respectively and what is the average count for numbers divisible by the aforementioned digits..

Sample output:

Enter the starting number: 1

Enter the ending number: 15

Numbers divisible by 1: 15

Numbers divisible by 2: 7

Numbers divisible by 3: 5

Numbers divisible by 4: 3

Numbers divisible by 5: 3

Numbers divisible by 6: 2

Numbers divisible by 7: 2

Numbers divisible by 8: 1

Numbers divisible by 9: 1

Average: 4.33333

Q2. **Write a Program that will take a String from user and check, if the entered String Consists of any Special Characters or Number then your program should display an Error Message, Otherwise your program will calculate the total number of Upper Case and Lower Case Alphabets in String and Display the Complete Report. Sample outputs are given below**

Sample Output 1

|  |
| --- |
| Enter a String: My ID is L1F00BSCS0000  Error: Your Entered String Consists on Numbers and Special Characters  <Program will Terminate> |

Sample Output 2

|  |
| --- |
| Enter a String: I bought a pen in 1$  Error: Your Entered String Consists on Numbers and Special Characters  <Program will Terminate> |

Sample Output 3

|  |
| --- |
| Enter a String: 25%#G&\*@  Error: Your Entered String Consists on Numbers and Special Characters  <Program will Terminate> |

Q3.

