CONTEST - WEEK 4

NOTE:

- **No need to submit anywhere, just keep track of all the PDF you made in a specific folder.**
- **Compare your solution with the solution I'll provide, in case of doubts, kindly reach out to me.**
- **You may get assignment solution in format of PDF or VIDEO solution, depending on the difficulty level.**

Q1. Create a python function named **isPalindrome** which accepts a string as a parameter and return **True** if its a palindrome. Palindrome are words which is same when read from start and same when read from the end.

```
# Example 1
x = isPalindrome("moom")
print(x)

# Output
True

# Example 2
x = isPalindrome("ABCcba")
print(x)

# Output
True

# Example 3
x = isPalindrome("ABCcbaa")
print(x)

# Output
False
```

Q2. Keep asking characters from user until he presses **q** on the keyboard. Change all the capital letters to small, and all the small letters to capital.

(Don’t use swapcase())

```
Enter character = a
Enter character = K
Enter character = *
Enter character = @
Enter character = p
Enter character = q
Enter character = C
Enter character = ^
Enter character = q

# Output
Ak*@PQc^Q
```

Q3. Python Program to remove all duplicates from a given string.

Q4. Ask a sentence from user. Then ask a integer **k** from user. Print all the words which are greater or equal to k.

```
Enter sentence = python is a great language. Very easy to understand also
Enter k = 5

# Output
python great language. understand
```

Q5. Ask a string from user. Replace all the **space** characters with **“-”.** Do not use **replace()** method.

```
Enter string = python is a great language

# Output
python-is-a-great-language
```

Q6. Make a password strength function. It will accept a string from user.

Return **True** if it is a strong password.

Strong password has these characteristics.

- Minimum 8 character
- Minimum 1 uppercase alphabet
- Minimum 1 lowercase alphabet
- Contains at least 1 special symbol (any symbol)
- Minimum 1 digit