**Week2 lab test**

**Phitron Python**

**N:B : YOU MUST USE THE NAME OF THE FUNCTION WRITTEN IN EACH QUESTION**

**1.** Create a string out of some words given in a list -

| l = ["This", "is", "very", "fantastic"] |
| --- |

Expected Output:

| "This is very fantastic" |
| --- |

Write a function named **create\_string()** and write your code inside this function.

**2.** Use web search to find some API to get weather data. Use that to get your region’s weather data every 30 minute.

Write a function named **weather\_data()** and write your code inside this function.

**3.** Go to this repo: <https://pypi.org/project/pyjokes/> and try to make a chat bot to tell you joke using pyjokes.

Write a function named **tell\_some\_jokes()** and write your code inside this function.

**4.** Fix this code, get help from google. Copy the error message and search on web.

| def print\_hi():  print("hi")  print(print\_hi()) # you can't change this lin |
| --- |

**5.** You have given a dictionary ‘d’, convert it into a list. The first value will be the key of the dict, and value will come next.

Example

| x = { 'a' : 1, 'b' : 2, 'c': 3, 'd': 4} output: [ 'a', 1, 'b', 2, 'c', 3, 'd', 4] |
| --- |

Now do the same for -

| d = {'!': 1, '@' : 2, '#': 3, '$' : 4, '%' : 5, '^' : 6} |
| --- |

Write a function named **create\_list()** and write your code inside this function.

**6.** Complete the following code

| def clean\_string(text):  ....  ....  print(output)   s = "P::::::,,,,,h;;;;i,,,t--r;,:o..N"  output = clean\_string(s) print(output) |
| --- |

If you face any errors, fix them. Get help from google. Do not ask others.

**7.** Complete the following code (without using the replace function)-

| def replace\_comma\_with\_space(text):  …  …  s = "I,have,been,practising,python,since,the,course,started"  output = replace\_comma\_with\_space(s)  print(output) |
| --- |

**8.** Suppose you have a program that converts a string into **Upper, Capitalized** and **Lower** style using three different functions. Now create a test script for testing the three functionality of that program. Run using PyTest.

1. Write a function **make\_upper()** to make the string in uppercase
2. Write a function **make\_capital()** to make the string capitalized
3. Write a function **make\_lower()** to make the string lowercase

Write a function named **test\_script()** and write your code inside this function.

**9.** You need to make a positive story into a negative by changing some of its words automatically. Someone gave you a list `replace with’ and asked to find the words that are in that list in string ‘s’ and replace them with the next word of that list.

| replace\_with = ["chief", "thief", "superintendent", "sweeper", "married", "left", "tried", "died"]  s = "I am the chief of Baghdad. Before that I used to be a superintendent of Bank Asia. Things have changed a lot since Jorina married me. A lot of girls tried to marry me." |
| --- |

Output example (one done for you):

| "I am the thief of Baghdad..........." |
| --- |

Write a function named **replace\_word()** and write your code inside this function.

**10.** Given a string ‘s’ you need to find the words that are in list ‘a’ and use the next words on string ‘s’ to create a new string. Save it inside a file called ‘out.txt’. Remember to close the file after writing.

Write a function named **create\_new\_string()** and write your code inside this function.

| a = ['oh', 'Emelia', 'to']  s = "Oh, I got two tickets for Dhaka. I and Emelia love to visit different places very much. This time we are going to Bangladesh."  output = "I love Bangladesh" (inside a file) |
| --- |