



L O V E L Y
P R O F E S S I O N A L
U N I V E R S I T Y

Course Title: **Python Programming** | Course Code: **INT108**

Submitted by:
Sushant Kumar

Registration No: 12218023
Roll No: RKOC28A17

Programme Name: B.Tech. CSE

Under the Guidance of

Er Adhiraj

School of Computer Science & Engineering
Lovely Professional University, Phagwara

About

Project

A python-based program to generator the Acronym of the user input strings.

ACRONYM - Generator

Code Snippet

```
from termcolor import colored

print("\n")
# function to create acronym
bar = 20
print("==" * bar)
print("Print Acronym of Given String\n")

def mainFn(stng):
    # add first letter
    output = stng[0]
    # iterate over string
    for i in range(1, len(stng)):
        if stng[i-1] == ' ':

            # add letter next to space
            output += stng[i]

    # uppercase output
    output = output.upper()
    return output

number_of_string = input("Total number of strings: ")
print("\n")

if number_of_string.isnumeric() == True:

    strings = []
    for x in range(int(number_of_string)):
        strings.append(input('Enter String '+str(int(x+1))+": "))

    print("\n")

    for y in range(len(strings)):
        print(colored(strings[y] + mainFn(": "+strings[y]+ ""),
                    "red", "on_white"))
else:
    print(colored("Enter any positive integer", "white", "on_red"))

print("\n==" * bar)
```

Code Visuals

Screenshot and output

The screenshot shows the Visual Studio Code interface. On the left is the code editor with the file 'Acronym Generator.py' open. The code defines a function to generate acronyms from strings. On the right is the terminal window showing the execution of the script and its output.

```
C:\> Local volume > Academics > B.Tech (2022) > Semester 1 > INT 108 - Project > Acronym Generator.py > mainFn
1  from termcolor import colored
2
3  print("\n")
4  # function to create acronym
5  bar = 20
6  print("==" * bar)
7  print("Print Acronym of Given String\n")
8
9  def mainFn(stng):
10     # add first letter
11     output = stng[0]
12     # iterate over string
13     for i in range(1, len(stng)):
14         if stng[i-1] == ' ':
15             # add letter next to space
16             output += stng[i]
17
18         # uppercase output
19         output = output.upper()
20
21     return output
22
23 number_of_string = input("Total number of strings: ")
24 print("\n")
25
26 if number_of_string.isnumeric() == True:
27
28     strings = []
29     for x in range(int(number_of_string)):
30         strings.append(input("Enter String "+str(int(x+1))+": "))
31
32     print("\n")
33
34     for y in range(len(strings)):
35         print(colored(strings[y]+ mainFn(" "+strings[y]), "red", "on_white"))
36     else:
37         print(colored("Enter any positive integer","white","on_red"))
38
39 print("==" * bar)
```

TERMINAL ...

```
PS C:\Users\Susha> python -u "c:\local volume\Academics\B.Tech (2022)\Semester 1\INT 108\Project\Acronym Generator.py"
=====
Print Acronym of Given String
Total number of strings: 2
Enter String 1: world wide web
Enter String 2: Hyper TEXT markup Language
world wide web: WWW
Hyper TEXT markup Language: HTML
PS C:\Users\Susha>
```

The screenshot shows the terminal window from the previous Visual Studio Code session. It displays the command to run the script, the prompt for the total number of strings, the two input strings, and the resulting acronym outputs.

```
PS C:\Users\Susha> python -u "c:\local volume\Academics\B.Tech (2022)\Semester 1\INT 108\Project\Acronym Generator.py"
=====
Print Acronym of Given String
Total number of strings: 2
Enter String 1: world wide web
Enter String 2: Hyper TEXT markup Language
world wide web: WWW
Hyper TEXT markup Language: HTML
PS C:\Users\Susha>
```

Input Strings

1. World wide Web
2. Hyper TEXT markup Language

Output Strings

1. WWW
2. HTML

Technology Used

Language and Libraries

1. Python

2. Library “TERMCOLOR”