

#Create a program that will accept one word and display it in the following patterns:

```
def As_Entered():  
    a = str(input("enter a String: "))  
    print(a)
```

```
def Capital_First_Letter():  
    a = str(input("enter String: "))  
    print(a.capitalize())
```

```
def All_Uppercase():  
    a = str(input("enter String: "))  
    print(a.upper())
```

```
def All_Lowercase():  
    a = str(input("enter String: "))  
    print(a.lower())
```

```
def Repeat_Word_1():  
    a = str(input("enter String: "))  
    print(a+a+a+a+a)
```

```
def Repeat_Word_2():  
    a = str(input("enter String: "))  
    print(a*5)
```

Assignment #1



#Create a program that will accept a person's first name, middle name, and last name then display the following messages:

```
def Hello():  
    a = str(input("enter Firstname: "))  
    b = str(input("enter Middlename: "))  
    c = str(input("enter Lastname: "))  
    print("Hello " + a + " " + b + " " + c)  
  
def Hi():  
    a = str(input("enter Firstname: "))  
    b = str(input("enter Middlename: "))  
    c = str(input("enter Lastname: "))  
    print("Hi " + a + " " + b + " " + c)
```

Assignment #2

```
#Create a program that accepts 2 Numbers and displays the sum, difference, product, quotient, 1st Number modulo 2nd Number, and 1st number  
def Calculator():  
    a = int(input("Enter First number: "))  
    b = int(input("Enter Second number: "))  
    print("Sum: " + str(a+b))  
    print("Difference: " + str(a-b))  
    print("Product: " + str(a*b))  
    print("Quotient: " + str(a/b))  
    print("Modulo: " + str(a%b))  
    print("Raise: " + str(a**b))
```

Assignment #3

#Create a program that will accept a person's whole name and their current age then display the following messages:

```
def yourself():
```

```
    a = str(input("enter name: "))
```

```
    b = int(input("enter Age: "))
```

```
    y = int(datetime.datetime.now().strftime("%Y"))
```

```
    x = y-b
```

```
    z = 100 - b + y
```

```
    k = z - y
```

```
    message = 'Hello %s, you are currently %d years old\nYou were born on %d\nBy %d you will be 100 years old\nYou will have to wait %d y
```

```
    print(" ")
```

```
    print(message)
```

Assignment #4

```
#A loop for the program to keep running
```

```
while True:
```

```
    print(
        "1. As_Entered\n" +
        "2. Capital_First_Letter\n" +
        "3. All_Uppercase\n" +
        "4. All_Lowercase\n" +
        "5. Repeat_Word_1\n" +
        "6. Repeat_Word_2\n" +
        "7. Hello\n" +
        "8. Hi\n" +
        "9. Calculator\n" +
        "10. Yourself\n")
```

```
    selection = input("Enter Selection: ")
```

```
    print()
```

```
#The selection from the program
```

```
    {"1":As_Entered,
     "2":Capital_First_Letter,
     "3":All_Uppercase,
     "4":All_Lowercase,
     "5":Repeat_Word_1,
     "6":Repeat_Word_2,
     "7":Hello,
     "8":Hi,
     "9":Calculator,
     "10":yourself
    }[selection]()
```

```
    print()
```

Loop method

```
PS C:\Users\admin\Desktop\Code> python -u "c:\Users\admin\Desktop\Code\Mapote.py"
```

1. As_Entered
2. Capital_First_Letter
3. All_Uppercase
4. All_Lowercase
5. Repeat_Word_1
6. Repeat_Word_2
7. Hello
8. Hi
9. Calculator
10. Yourself

Enter Selection: █

Output

Mapote.py X

Mapote.py > ...

```
1  import datetime
2
3  def As_Entered():
4      a = str(input("enter a String: "))
5      print(a)
6
7  def Capital_First_Letter():
8      a = str(input("enter String: "))
9      print(a.capitalize())
10
11 def All_Uppercase():
12     a = str(input("enter String: "))
13     print(a.upper())
14
15 def All_Lowercase():
16     a = str(input("enter String: "))
17     print(a.lower())
18
19 def Repeat_Word_1():
20     a = str(input("enter String: "))
21     print(a+a+a+a+a)
22
23 def Repeat_Word_2():
24     a = str(input("enter String: "))
25     print(a*5)
26 def Hello():
27     a = str(input("enter Firstname: "))
28     b = str(input("enter Middlename: "))
29     c = str(input("enter Lastname: "))
30     print("Hello "+ a + " " + b + " " + c)
31 def Hi():
32     a = str(input("enter Firstname: "))
33     b = str(input("enter Middlename: "))
34     c = str(input("enter Lastname: "))
35     print("Hi "+ a + " " + b + " " + c)
36
37 def Calculator():
38     a = int(input("Enter First number: "))
39     b = int(input("Enter Second number: "))
40     print("Sum: " + str(a+b))
41     print("Difference: " + str(a-b))
42     print("Product: " + str(a*b))
43     print("Quotient: " + str(a/b))
44     print("Modulo: " + str(a%b))
45     print("Raise: " + str(a**b))
46
47 def yourself():
48     a = str(input("enter name: "))
49     b = int(input("enter Age: "))
50     y = int(datetime.datetime.now().strftime("%Y"))
51     x = y-b
52     z = 100 - b + y
53     k = z - y
54     message = 'Hello %s, you are currently %d years old\nYou were born on %d\nBy %d you will be 100 years old\nYou will have to wait %d y
55     print(" ")
56     print(message)
57
58
59
60 #A loop for the program to keep running
61 while True:
62     print(
63         "1. As_Entered\n" +
64         "2. Capital_First_Letter\n" +
65         "3. All_Uppercase\n" +
66         "4. All_Lowercase\n" +
67         "5. Repeat_Word_1\n" +
68         "6. Repeat_Word_2\n" +
69         "7. Hello\n" +
70         "8. Hi\n" +
71         "9. Calculator\n" +
72         "10. Yourself\n")
73
74     selection = input("Enter Selection: ")
75
76     print()
77     #The selection from the program
78     {"1":As_Entered,
79      "2":Capital_First_Letter,
80      "3":All_Uppercase,
81      "4":All_Lowercase,
82      "5":Repeat_Word_1,
83      "6":Repeat_Word_2,
84      "7":Hello,
85      "8":Hi,
86      "9":Calculator,
87      "10":yourself
88     }[selection]()
89
90     print()
91
```