MACHINE LEARNING (CS-5710) ASSIGNMENT - 2

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Git hub Link :- https://github.com/NeerajKumarKajuluri/ML-Assigment-2

Video Link: -

https://drive.google.com/file/d/1qIm1751AXoXbEvvXTOrZEOZ3B0tWYT84/view?usp=share_link

QUESTION 1

• Use a python code to display the following star pattern using the for loop.

Source code & Outputs

Question 2

- Use looping to output the elements from a provided list present at odd indexes.
- my list = [10, 20, 30, 40, 50, 60, 70, 80, 90, 100]

Source code & Output

```
In [21]: my_list=[10,20,30,40,50,60,70,80,90,100]
    for i in range(0,10,2):
        print(my_list[i])

10
    30
    50
    70
    90
```

Question 3

• Write a code that appends the type of elements from a given list. Input

```
x = [23, 'Python', 23.98]
Expected output
[23, 'Python', 23.98]
[<class 'int'>, <class 'str'>, <class
'float'>]
```

Source code & Output

```
In [22]: x=[23,'Python',23.98]
    print(x)
    type_list=[]
    for i in x:
        type_list.append(type(i))
    print(type_list)

[23, 'Python', 23.98]
    [<class 'int'>, <class 'float'>]
```

QUESTION 4

• Write a function that takes a list and returns a new list with unique items of the first list.

```
Sample List: [1,2,3,3,3,4,5]
Unique List: [1, 2, 3, 4, 5]
```

Source code & Output

```
In [24]: def unique(x):
    unique_list=[]
    for i in x:
        if i not in unique_list:
            unique_list.append(i)
    return unique_list
    sample_list=[1,2,3,3,3,4,5]
    print(unique(sample_list))
[1, 2, 3, 4, 5]
```

QUESTION 5

• Write a function that accepts a string and calculate the number of upper-case letters and lower-case letters.

Input String: 'The quick Brow

Fox' Expected Output:

No. of Upper-case characters: 3 No. of Lower-case Characters: 12

Source code & Output