CMS COLLEGE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING.

WEB PHISHING DETECTION (**ASSIGNMENT 1)**

DATE : 26-09-2022

PROBLEM : TO ANSWER THE QUESTIONS FOR THE ANSWERS

NAME : ADITYA S NAIR

OUTPUT :

SCREENSHOTS :

Basic Python

1. Split this string

```
In [1]: s = "Hi there Sam!"

In [2]: s.split()
Out[2]: ['Hi', 'there', 'Sam!']
```

2. Use .format() to print the following string.

Output should be: The diameter of Earth is 12742 kilometers.

```
In [3]: planet = "Earth"
        diameter = 12742

In [5]: planet = "Earth"
        diameter = 12742
        print('The diameter of {} is {} kilometers.'.format(planet,diameter));

        The diameter of Earth is 12742 kilometers.
```

3. In this nest dictionary grab the word "hello"

```
In [6]: d = ( ' k l ' : [ 1, 2, 3, ( 'l r c ky' : [ ' th ' , ' man ' , ' i nr ept iou ' , ( 'Lai get ' : [ l, z, 3, ' Hello ' ] }] }] }
```

```
i n [a :  d = ( ' k l ' : [ 1, 2, 5, ( ' t r c ky' : [ ' th ' , ' man '  inc ept iou ' , ('Lai get ' : [ 1, 2,3, ' Hello ' ] }] }] }
          print (d[ 'k1'  [ ] [ "tr  ie ky"  [ ] [ ' l amet ' ] [ 3])
```

fretlo

Numpy

```
In [9]: import numDy as np
```

4.1 Create an array of 10 zeros?

4.2 Create an array of 10 fives?

```
In [11]: arre --nn. zeros(18)
         array
```

```
Out[11]: array([0., 0., 0., 0., 0., 0., 0., 0., 0., 0.])
```

```
In [12]: array=np.ones(10)*5
```

```
Out[12]: array([5., 5., 5., 5., 5., 5., 5., 5., 5., 5.])
```

5. Create an array of all the even integers from 20 to 35

```
In [13]: a rnay=np . a range zs, zs, 2 )
```

```
Out[13]: b r ray ( 28, 22, 24, 26, 2B, 30, 3 2, 3
```

6. Create a 3x3 matrix with values ranging from 0 to 8

```
In [21]: matrix=np.arange(0,9).reshape(3,3)
         matrix
```

```
Out[21]: a r ray ( ( [8,  1,  2j ,
                    [ 3,  4,  5j ,
                      [ 6, 7, 8] ] )
```

7. Concatenate a and b

a = np.array([1, 2, S]), b = np.array([4, 5, 6])

```
b = n p . a tray ( [n, 5, S ] )
a b=n o . con cat en at e( ' a , b) , a is =8)
```

```
Out[24]: array([1, 2, 3, 4, 5, 6])
```

Pandas

8. Create a dataframe with 3 rows and 2 columns

In [3]:
```
import pandas as pd
```

In [4]:
```
data = [['vignesh', 50], ['santhanam', 40], ['giri', 25]]
df = pd.DataFrame(data, columns=['Name', 'Age'])
df
```

Out[4]:

	Name	Age
0	vignesh	50
1	santhanam	40
2	giri	25

9. Generate the series of dates from 1st Jan, 2023 to 10th Feb, 2023

In [51]:
```
venkat = pd.date_range(start ='01-01-2023',
          end ='02-10-2023' )

for val in venkat:
  print(val)
```

```
2023-01-01 00:00:00
2023-01-02 00:00:00
2023-01-03 00:00:00
2023-01-04 00:00:00
2023-01-05 00:00:00
2023-01-06 00:00:00
```

```
2023-02-05 00:00:00
2023-02-06 00:00:00
2023-02-07 00:00:00
2023-02-08 00:00:00
2023-02-09 00:00:00
2023-02-10 00:00:00
```

10. Create 2D list to DataFrame

lists = [[1, 'aaa', 22], [2, 'bbb', 25], [3, 'ccc', 24]]

In [5]:
```
lists = [[1, 'aaa', 22], [2, 'bbb', 25], [3, 'ccc', 24]]
```

In [7]:
```
lists = [[1,'aaa', 22], [2,'bbb', 25], [3,'ccc', 24]]

# Create the pandas DataFrame
df = pd.DataFrame(lists, columns = ['s.no','name','Age'])

# print dataframe.
print(df )
```

```
   s.no name  Age
0     1  aaa   22
1     2  bbb   25
2     3  ccc   24
```

In [ ]:
```

```

**********THANKING YOU**********