Student Name	PARAMESHWARI.N
Student Reg Number	960519104051
Team ID	PNT2022TMlD34274

Assignment Number	02

s=

```
txt: "Hi there Sami" txt. split( )
print(s)
```

['Hi', 'there', 'Sami']

```
planet="earth"
diameter=12742
print("The diameter of    is    kilometers.
.format(planet,diameter));
```

The diameter Of earth is 12742 kilometers .

```
lst=[1,2,[3,4],[5,[100,200,['hello']],23,11],1,7]
a=lst[3][1][2];
print(a)
```

['hello']

```
d={'k1':[1,2,3,{'tricky':[oh,'man',inception'' target [1,2.3,'hello"]]}]}]
print(d['k1'][3]['tricky'][3]('target'][3])
```

hello

```
import numpy as np
array=np.zeros(10)
print("An array Of 10 zeros : ")
print(array)
array=np.ones(10)
print("An array of 10 ones: ")
print(array)
array=np.ones
print("An array of 10 fives: ")
print(array)
```

An array of 10 zeros :

```
[0. 0. 0. 0. 0. 0. 0. 0. 0. 0.]
An array of 10 ones:
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
An array of 10 fives:
[5. 5. 5. 5. 5. 5. 5. 5. 5. 5.]
```

import numpy as np array=np. arange(20, 34.2)
print("array of all the even integer from 20 to 35 ")
print(array)

array of all the even integer from 20 to 35 [20 22 24
26 28 30 32]

import numpy as np

```
x= np.arange(0,9).reshape(3,3)
print(x)
     [[0 1 2]
      [3 4 5]
      [6 7 8]]
```

aanp banp .array(arranp.
    ,axis-l) pr int(arr)

```
import pandas as pd data={'name ' : [ 'a b','c'],'
Age , 191} df=pd .DataFrame(data) print(df)
        name   Age
    o     a     20
    1     b     21
    2     c     19
from datetime import timedelta, date

def daterange(datel, date2):
    for n in range(int ((date2 - datel ).days)+1):
        yield datel + timedelta(n)

start_dt = date(2022,1 , 1)  end_dt =
date(2022,  2,  10)  for   dt   in
daterange(start_dt, end_dt): print(dt.
strftime( %Y-%m-%d" ) )
```

```
2022-01-01
2022-01-02
2022-01-03
2022-01-04
2022-01-05
2022-01-06
2022-01-07
2022-01-08
2022-01-09
2022-01-10
2022-01-11
2022-01-12
2022-01-13
2022-01-14
2022-01-15
```

2022-01-16
2022-01-17
2022-01-18
2022-01-19
2022-01-20
2022-01 -21
2022-01 -22
2022-01-23
2022-01-24
2022-01 -25
2022-01 -26
2022 01 27
2022-01-28
2022-01-29
2022-01-30
2022-01-31
2022-02-01
2022-02-02
2022-02-03
2022-02-04
2022-02-05
2022-02-06
2022-02-07
2022-02-08
2022-02-09
2022-02-10

```
import pandas as pd
        . •aaa ' .22] , [2, 'bbb' , 25],
[3, • CCC df =    , •b' , print(df)
```

```
        a  b      c
  O     aaa 22 1
        2 bbb 25
    2 3 CCC 24
```