Assignment-1

PythonProgramming

AssignmentDate	08September2022	
StudentName	Swetha.S	
StudentRegisterNumber	710119104019	
MaximumMarks	2	

BasicPython

1.Splitthisstring

```
In [ ]: s="HithereSam!"
In [ ]: s="HithereSam!"s=
    s.split()print(s)
    ;
    ['Hi','there','Sam!']
```

2.Use.format()toprintthefollowingstring.

Outputshouldbe: The diameter of Earth is 12742 kilometers.

3.Inthisnestdictionary grabthe word "hello"

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

Numpy

```
In [ ]: importnumpyasnp
```

4.1Createanarrayof10zeros?

4.2Createanarrayof10fives?

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

6.Createa3x3matrixwithvaluesrangingfrom0to8

7. Concatinate a andb

a=np.array([1,2,3]),b=np.array([4,5,6])

```
In [ ]: a=np.array([1,2,3])
b=np.array([4,5,6])print(np.
concatenate((a,b)))
[12345 6]
```

Pandas

8. Createadata framewith 3 rows and 2 columns

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

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