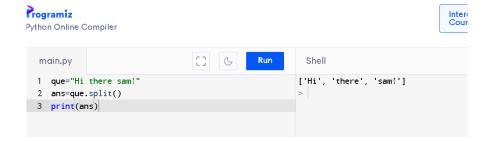
A ssigment -1

A ssignment D ate	19 September 2022
Student Name	Miss A runadevi A
Student R all Number	620119106008
Maximum Marks	2 Marks

Question-1:

1Split This String

S="Hi there sam!"
A ns: S.split()
print(S)
Output:
['Hi', 'there', 'sam!']



Question-2:

2. Use format() to print the following String:

print('The diameter of the {} is {} kilometers'.format('E arth', '12742'))



```
Question-3
3. in This Dictionary grab the word "hello"
d=('k1:[1,2,3('tricky':['ch','man','I nception',{'target':[1,2,3,'hello]}]})}
Ans:
Question-4
4.1.Create an array of 10 Zeros?
         import numpy as np
         a=np.zeros(10)
         print(a)
  Programiz
                                                                                                 Interactive Python
Course
 Python Online Compiler
                                       [] 6
                                                     Run
                                                                                                                 Clear
    main.py
                                                               [0. 0. 0. 0. 0. 0. 0. 0. 0. 0.]
    1 import numpy as np
    2 a=np.zeros(10)
    3 print(a)
4.2 Create an array of 10 fives?
         import numpy as np
         a=np.ones(10)*5
         print(a)
 Programiz
                                                                                              Interactive Python
Course
 Python Online Compiler
   main.py
                                                    Run
                                                                                                              Clear
   1 import numpy as np
                                                             [5. 5. 5. 5. 5. 5. 5. 5. 5. 5.]
   2 a=np.ones(10)*5
  3 print(a)
```

Question-5

5.Create an Array of All the Even Integers from 20 to 35?

```
import numpy as np
array=nparange(20,31,2)
print("array of even integers from 20 to 30")
print(array)
```



Run

Shell

[1 2 3 4 5 6]

Clear

Question-8 8.Create a D ataframe with 3 rows and 2 coloumns import pandas as pd? import pandas as pd lst=[[1,'aaa',22],[2,'bbb',25],[3,'ccc',24]] df=pdD ataF rame(lst,columns=['S no,'A lphabets','val'])

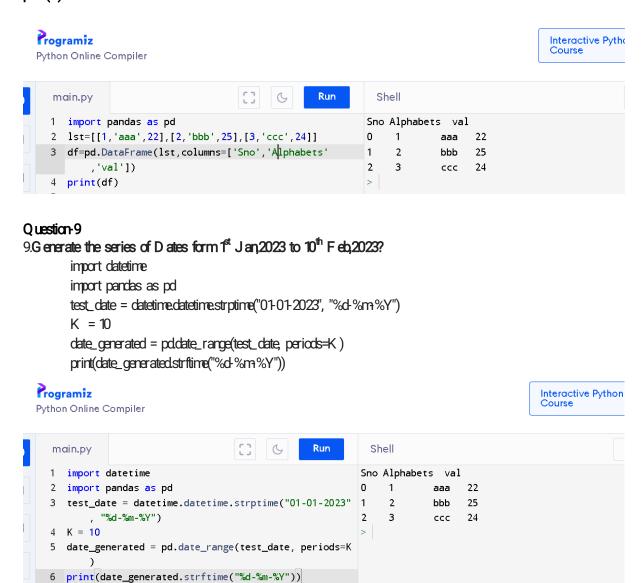
main.py

5 print(con)

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

4 con=np.concatenate((a,b),axis= 0)

print(df)



Question-10

10.Create 2D list to D ataF rame

```
import pandas as pd

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

# creating df object with columns specified

df = pdD ataF rame(lst, columns =['sno','name', 'number'])

print(df)
```

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```
main.py
                           [] G Run
                                              Shell
                                             sno name number
0 1 aaa
1 2 bbb
2 import pandas as pd
3 lst = [[1,'aaa', 22], [2,'bbb', 25], [3,'ccc', 24]] 1
                                                         22
                                                           25
                                                3 ссс
                                                           24
```