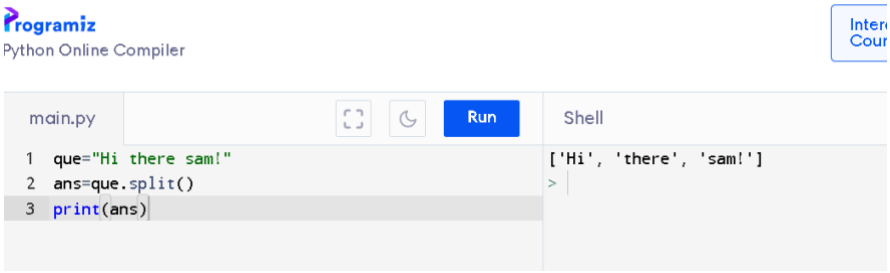
Assignment -1

Assignment Date	19 September 2022
Student Name	Miss Jeeva B
Student Roll Number	620119106034
Maximum Marks	2 Marks

Question-1:

1.Split This String:

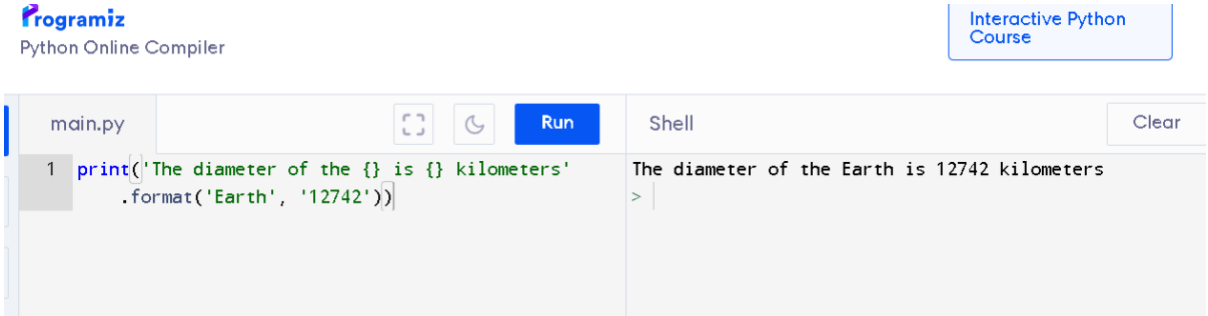
S="Hi there sam!"
Ans: S.split()
print(S)
Output :
['Hi', 'there', 'sam!']



Question-2:

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

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



Question-3

3. in This Dictionary grab the word ”hello”

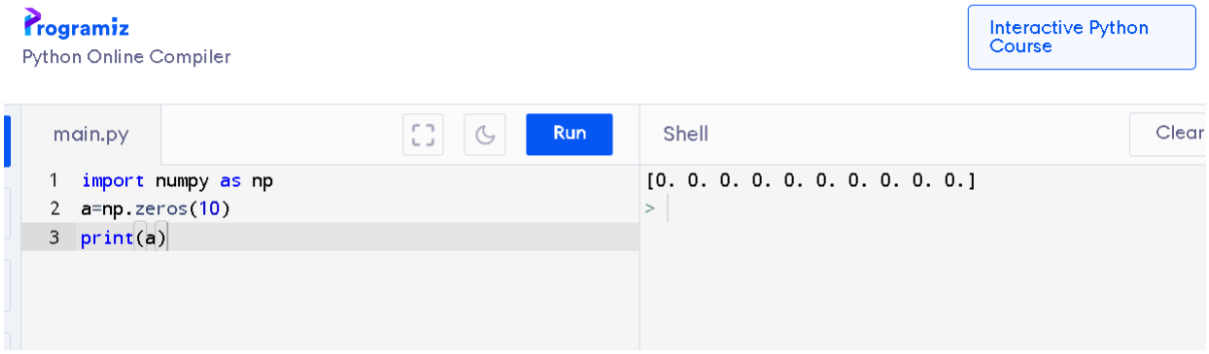
d={‘k1’:[1,2,3,{‘tricky’:[‘oh’,’man’,’Inception’,{‘target’:[1,2,3,’hello’]}]}]}

Ans:

Question-4

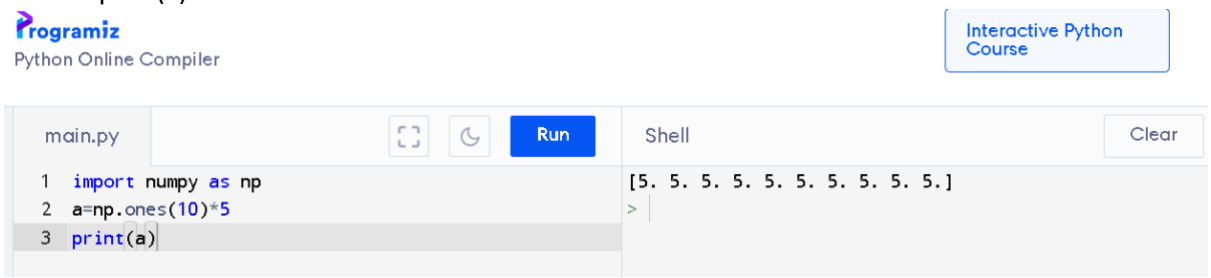
4.1.Create an array of 10 Zeros?

```
import numpy as np
a=np.zeros(10)
print(a)
```



4.2.Create an array of 10 fives?

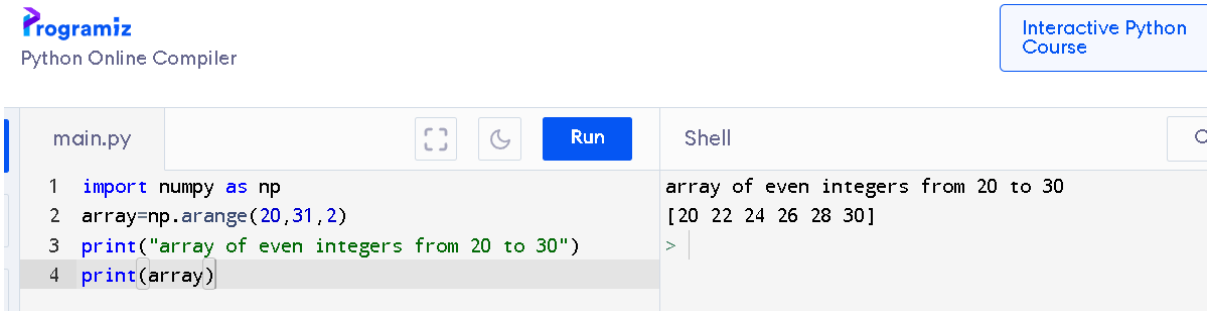
```
import numpy as np
a=np.ones(10)*5
print(a)
```



Question-5

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

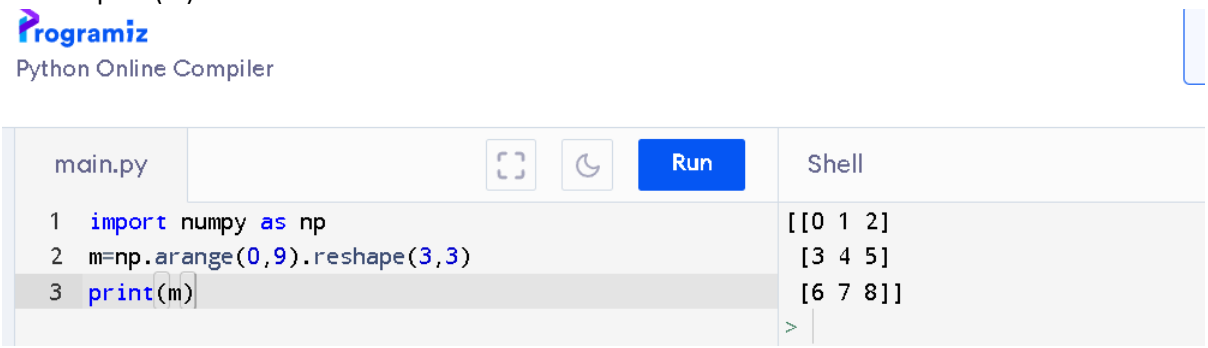
```
import numpy as np
array=np.arange(20,31,2)
print("array of even integers from 20 to 30")
print(array)
```



Question-6

6.Create a 3X3 matrix with values ranging from 0to8

```
import numpy as np
m=np.arange(0,9).reshape(3,3)
print(m)
```

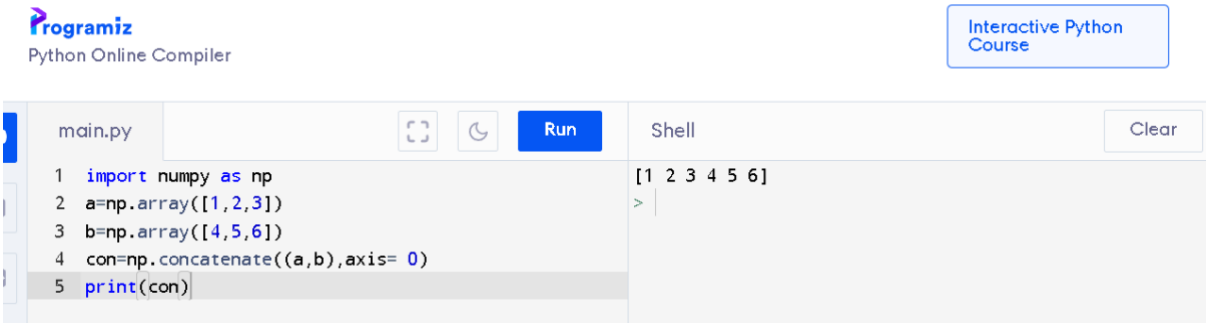


Question-7

Concatenate a and b

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

```
import numpy as np
a=np.array([1,2,3])
b=np.array([4,5,6])
con=np.concatenate((a,b),axis= 0)
print(con)
```



Question-8

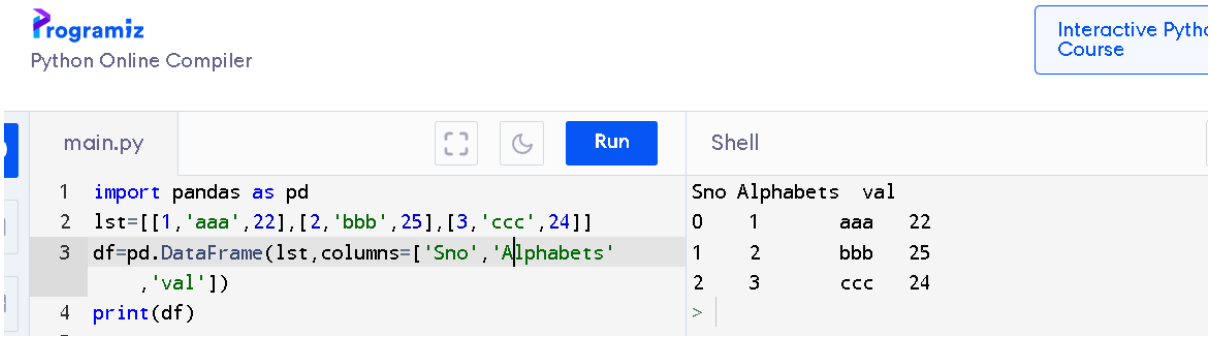
8.**Create a Dataframe with 3 rows and 2 coloumns import pandas as pd?**

import pandas as pd

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

df=pd.DataFrame(lst,columns=['Sno','Alphabets','val'])

print(df)



Question-9

9.**Generate the series of Dates form 1st Jan,2023 to 10th Feb,2023?**

```
import datetime
import pandas as pd
test_date = datetime.datetime.strptime("01-01-2023", "%d-%m-%Y")
K = 10
date_generated = pd.date_range(test_date, periods=K)
print(date_generated.strftime("%d-%m-%Y"))
```

Question-10

10.**Create 2D list to DataFrame**

```
import pandas as pd
lst = [[1,'aaa', 22], [2,'bbb', 25], [3,'ccc', 24]]
# creating df object with columns specified
df = pd.DataFrame(lst, columns =['sno','name', 'number'])
print(df )
```