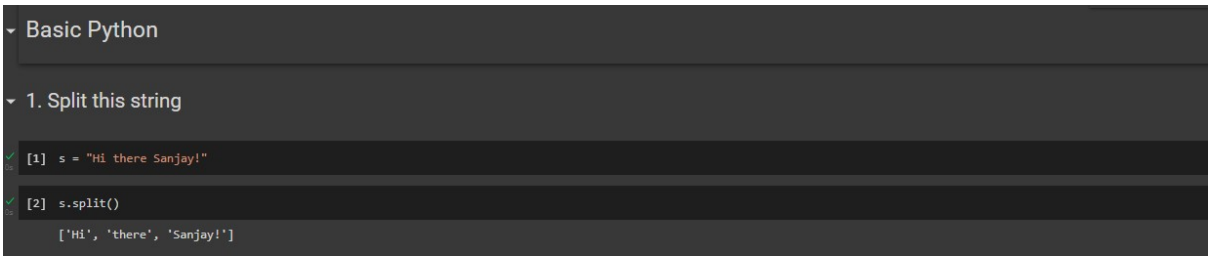
Assignment – 1

Python Programming

Assignment Date	12/09/2022
Student Name	Rajkumar.S
Student Roll Number	110519106303
Maximum Mark	2 Mark

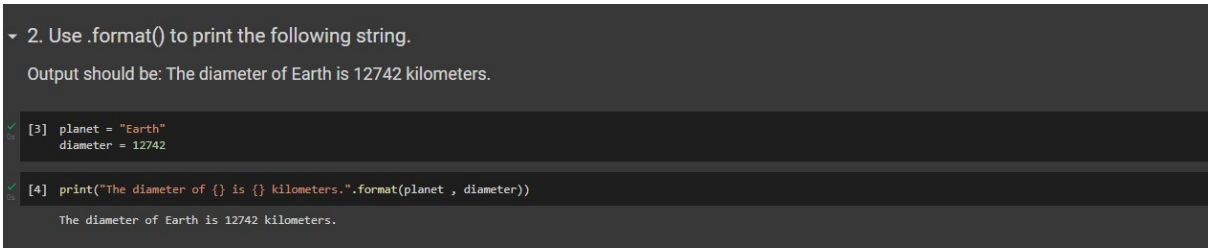
1) Split this string

Solution:



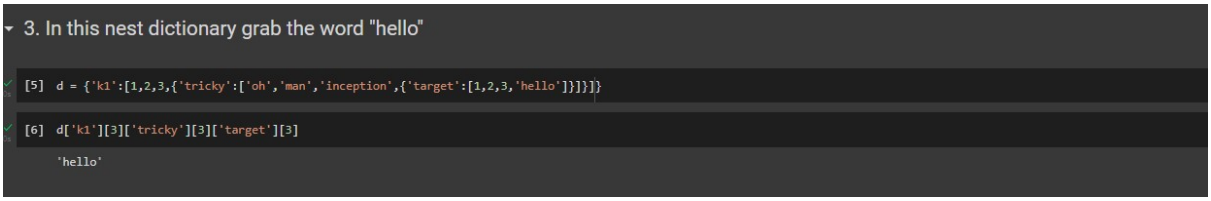
2) Use .format() to print the following string

Solution:



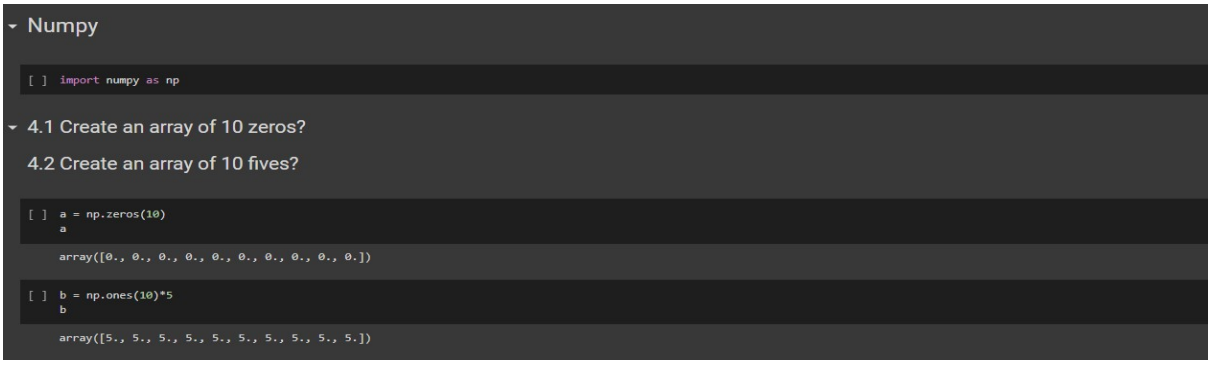
3) In this nest dictionary grab the word “hello”

Solution:



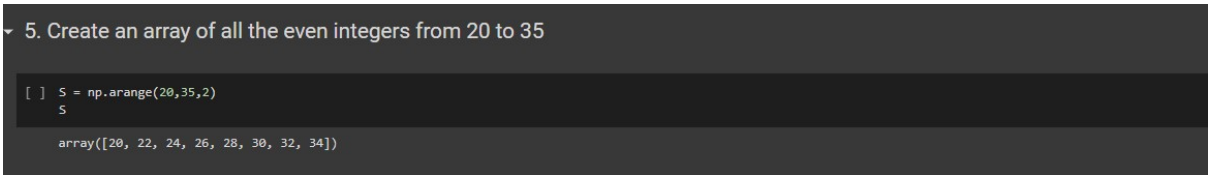
4) Numpy

Solution:



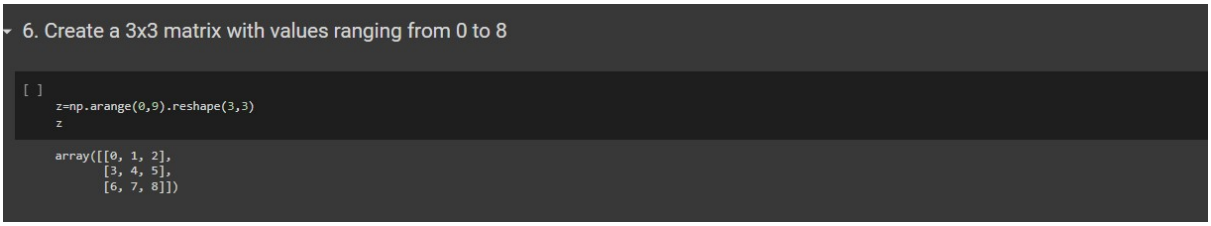
5) Create an array of all the even integers from 20 to 35

Solution:



6) Create a 3×3 matrix with values ranging from 0 to 8

Solution:



7) Concatinate a and b

Solution:

8) Create a dataframe with 3 rows and 2 columns

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8. Create a dataframe with 3 rows and 2 columns

```
[ ] import pandas as pd
```

```
[ ] d = {"name":["Mani","Peter","Vicky"],"age":[20,21,22]}
    df = pd.DataFrame(d)
    df
```

	name	age
0	Mani	20
1	Peter	21
2	Vicky	22

9) Generate the series of dates from 1st jan, 2023 to 10th Feb, 2023

Solution:

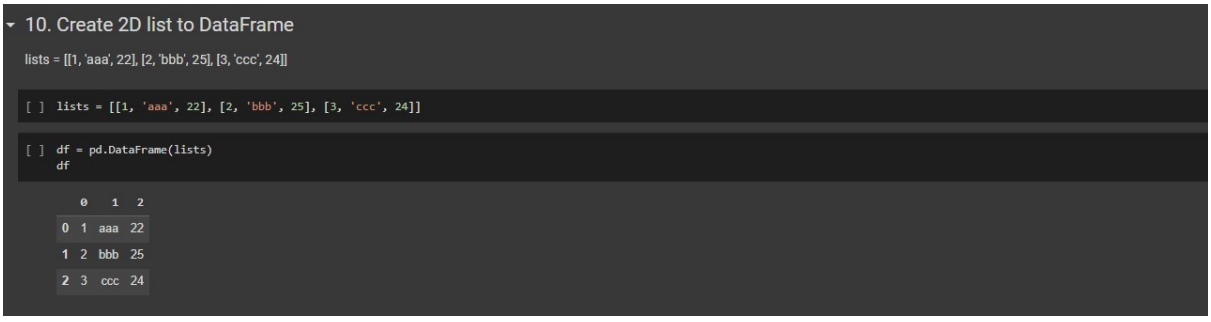
9. Generate the series of dates from 1st Jan, 2023 to 10th Feb, 2023

```
P = pd.date_range(start='1-1-2023',end='10-2-2023')
for val in P:
  print(val)
```

```
2023-01-03 00:00:00
2023-01-04 00:00:00
2023-01-05 00:00:00
2023-01-06 00:00:00
2023-01-07 00:00:00
2023-01-08 00:00:00
2023-01-09 00:00:00
2023-01-10 00:00:00
2023-01-11 00:00:00
2023-01-12 00:00:00
2023-01-13 00:00:00
2023-01-14 00:00:00
2023-01-15 00:00:00
2023-01-16 00:00:00
2023-01-17 00:00:00
2023-01-18 00:00:00
2023-01-19 00:00:00
2023-01-20 00:00:00
2023-01-21 00:00:00
2023-01-22 00:00:00
2023-01-23 00:00:00
2023-01-24 00:00:00
```

10) Create 2D list to Dataframe

Solution:



10. Create 2D list to DataFrame

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

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

```
[ ] df = pd.DataFrame(lists)
    df
```

	0	1	2
0	1	aaa	22
1	2	bbb	25
2	3	ccc	24