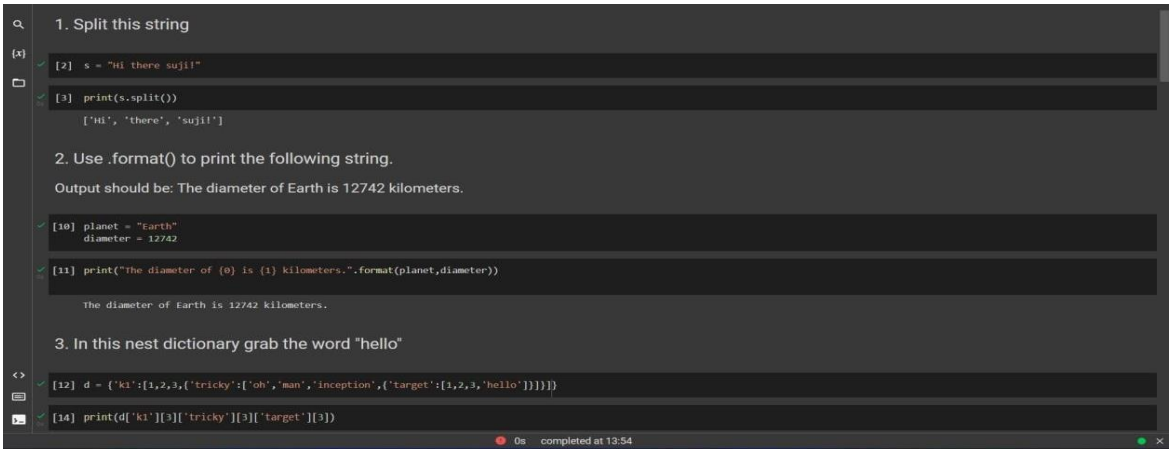
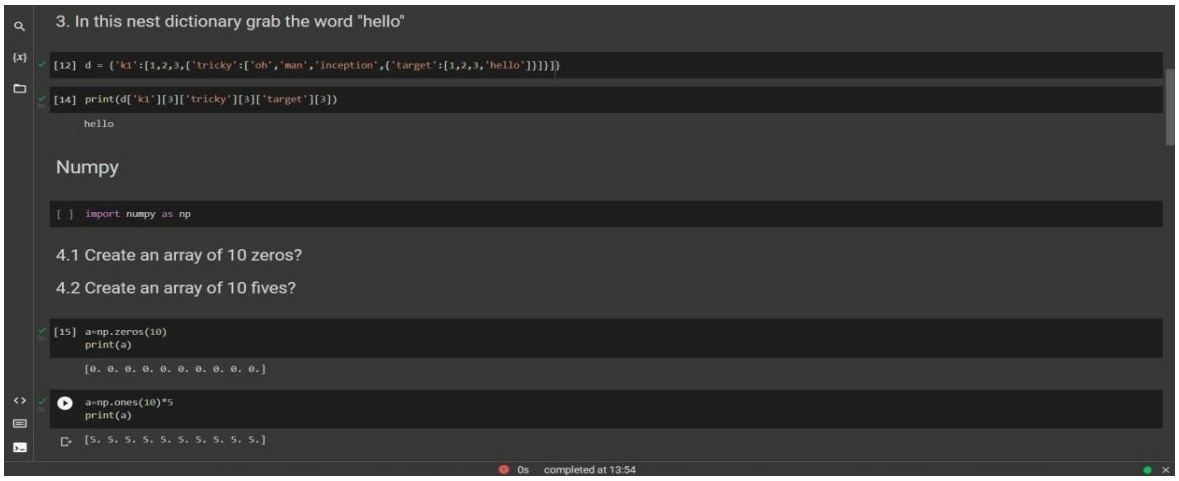
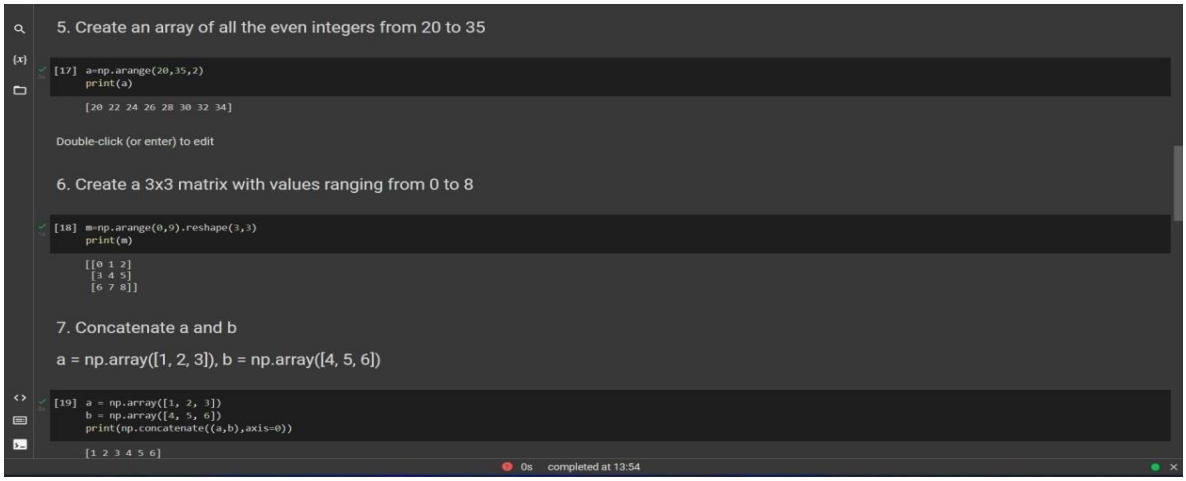
ASSIGNMENT 1

Student Name	Yashwanth P
Student Roll Number	316019104168







8. Create a dataframe with 3 rows and 2 columns

```
[8] import pandas as pd
    import matplotlib.pyplot as plt
    import numpy as np
```

```
data=[["Arunshanmugam","Mentor"],["sujitha","leader"],["lakshmi devi","Member"]]
print(pd.DataFrame(data,columns=["Name","Role"]))
```

```
              Name    Role
0  Arunshanmugam  Mentor
1        sujitha  leader
2   lakshmi devi  Member
```

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

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```
[6] from datetime import datetime

    date=pd.date_range(start="2023-01-01",end="2023-02-10")
    print(pd.Series(date))
```

```
0    2023-01-01
1    2023-01-02
2    2023-01-03
3    2023-01-04
4    2023-01-05
5    2023-01-06
6    2023-01-07
7    2023-01-08
8    2023-01-09
```

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```
[6] 21   2023-01-22
    22   2023-01-23
    23   2023-01-24
    24   2023-01-25
    25   2023-01-26
    26   2023-01-27
    27   2023-01-28
    28   2023-01-29
    29   2023-01-30
    30   2023-01-31
    31   2023-02-01
    32   2023-02-02
    33   2023-02-03
    34   2023-02-04
    35   2023-02-05
    36   2023-02-06
    37   2023-02-07
    38   2023-02-08
    39   2023-02-09
    40   2023-02-10
    dtype: datetime64[ns]
```

10. Create 2D list to DataFrame

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

```
lists = [[1, 'xxx', 22], [2, 'yyy', 25], [3, 'zzz', 24]]
pd.DataFrame(lists,columns=["S.No.","Name","Quantity"])
```

	S.No.	Name	Quantity
0	1	xxx	22
1	2	yyy	25
2	3	zzz	24

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