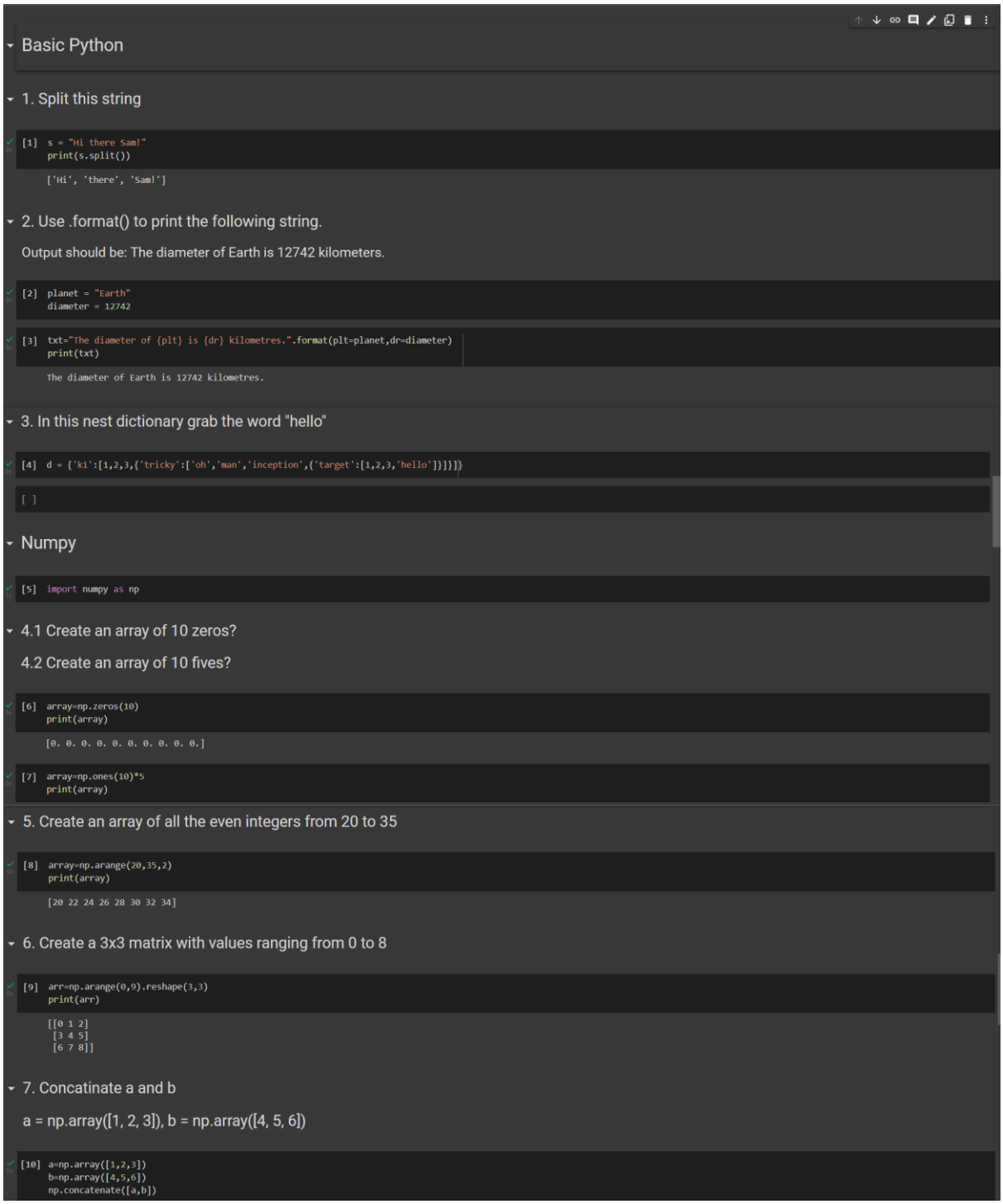
Assignment -1

Assignment Date	8 September 2022
Student Name	KOUSHIK A
Student Roll Number	111519104066
Maximum Marks	2 Marks



```
array([1, 2, 3, 4, 5, 6])
```

Pandas

8. Create a dataframe with 3 rows and 2 columns

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

```
[12] data=pd.DataFrame(index=np.arange(3), columns=np.arange(2))
     print(data)
```

```
     0    1
0  NaN  NaN
1  NaN  NaN
2  NaN  NaN
```

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

```
[ ] data=pd.date_range(start="1/1/2023",end="10/2/2023")
    print(data)
```

```
DatetimeIndex(['2023-01-01', '2023-01-02', '2023-01-03', '2023-01-04',
               '2023-01-05', '2023-01-06', '2023-01-07', '2023-01-08'
```


```
[ ] data=pd.date_range(start="1/1/2023",end="10/2/2023")
    print(data)
```


```
DatetimeIndex(['2023-01-01', '2023-01-02', '2023-01-03', '2023-01-04',
               '2023-01-05', '2023-01-06', '2023-01-07', '2023-01-08',
               '2023-01-09', '2023-01-10',
               ...
               '2023-09-23', '2023-09-24', '2023-09-25', '2023-09-26',
               '2023-09-27', '2023-09-28', '2023-09-29', '2023-09-30',
               '2023-10-01', '2023-10-02'],
              dtype='datetime64[ns]', length=275, freq='D')
```

10. Create 2D list to DataFrame

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

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

```
[14] data=pd.DataFrame(lists,columns=["s.no","pattern","number"])
     print(data)
```

```
   s.no pattern  number
0     1     aaa      22
1     2     bbb      25
2     3     ccc      24
```