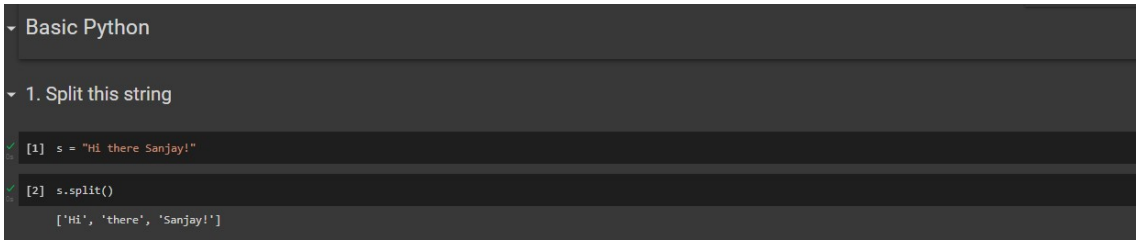
# Assignment – 1

Python Programming

| | |
|---|---|
| Assignment Date | 12/09/2022 |
| Student Name | Snega S |
| Student Roll Number | 110519106025 |
| Maximum Mark | 2 Mark |

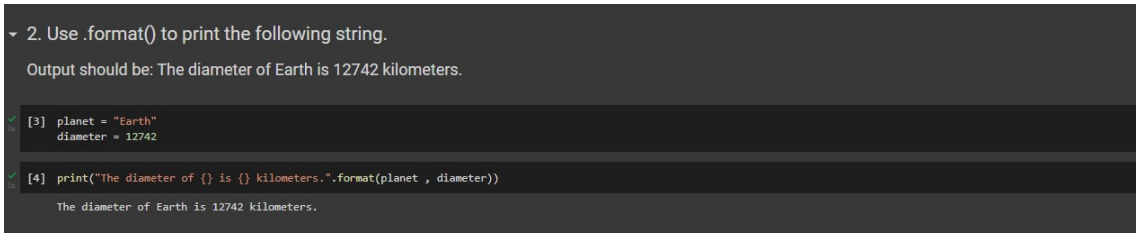
1) Split this string

Solution:



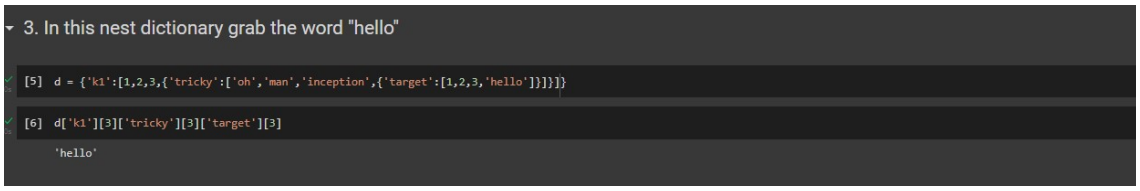

2) Use .format() to print the following string

Solution:




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

Solution:

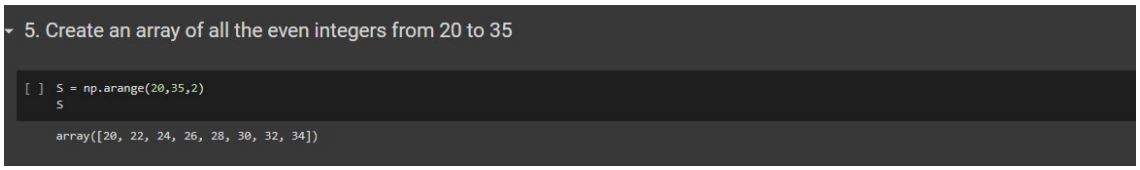


4) Numpy

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

Solution:

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:

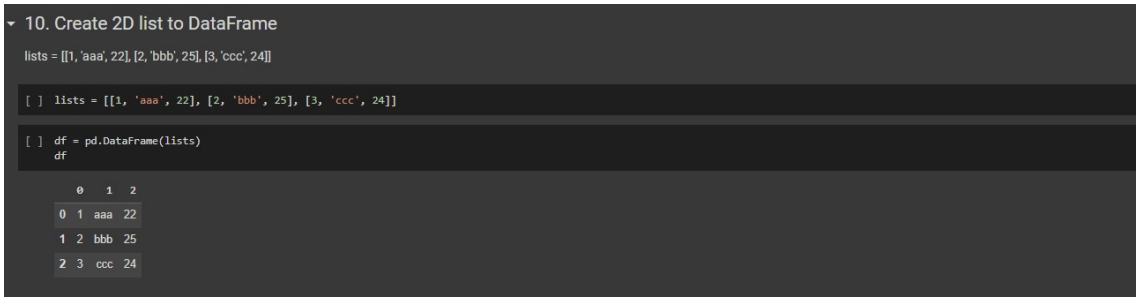
9. Generate the series of dates from 1st Jan, 2023 to 10th Feb, 2023

```
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 |