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Sem -7th

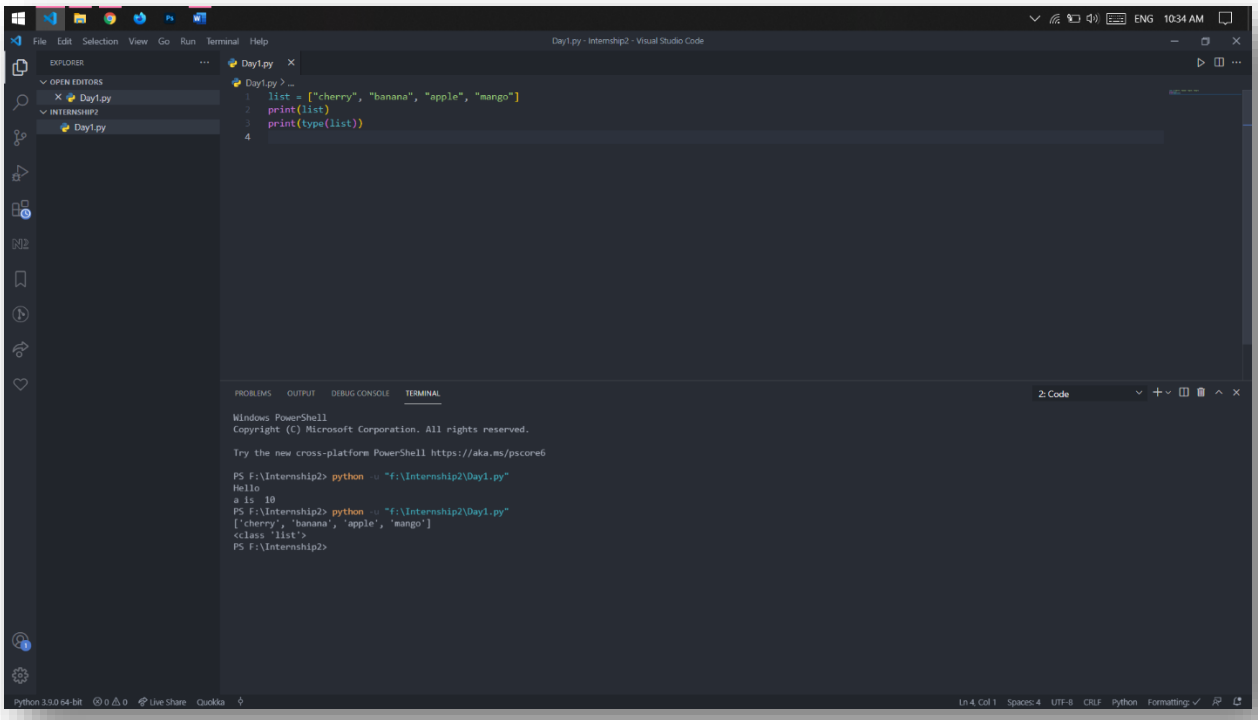
Task

Data Structure of Python with Methods –

1. List -

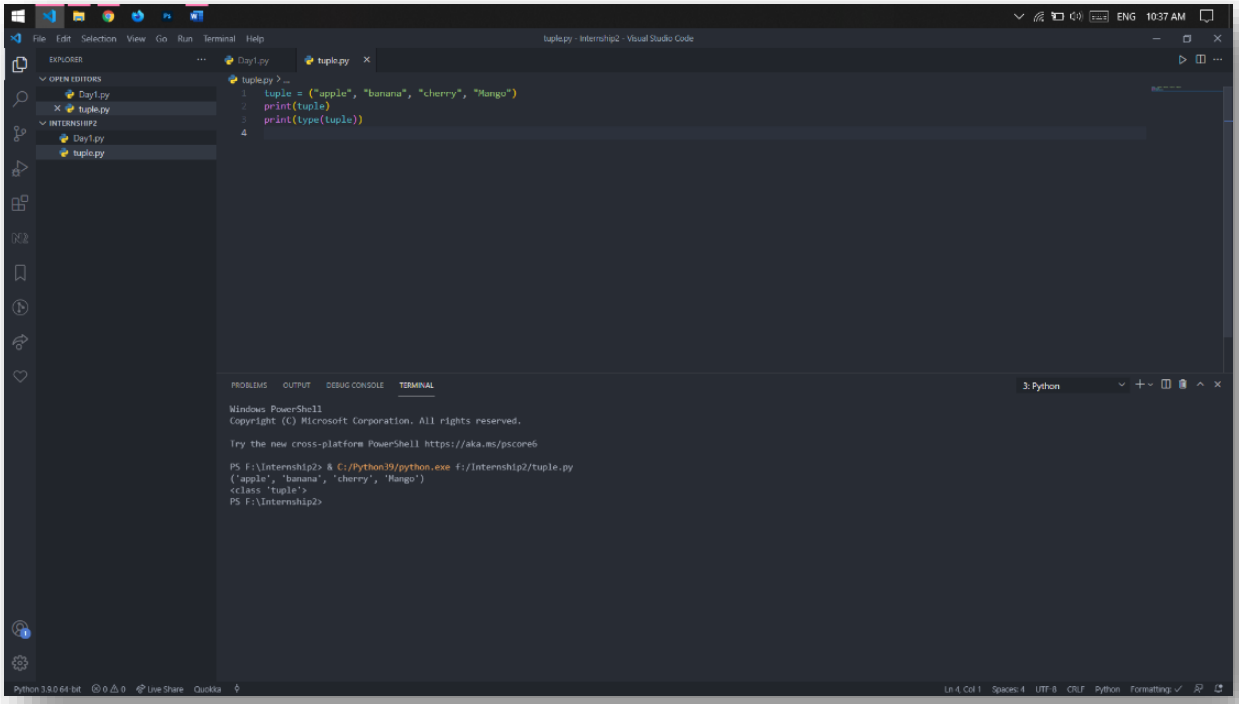
```
 list = ["cherry", "banana", "apple", "mango"]

print(list)
print(type(list))
```

Output –



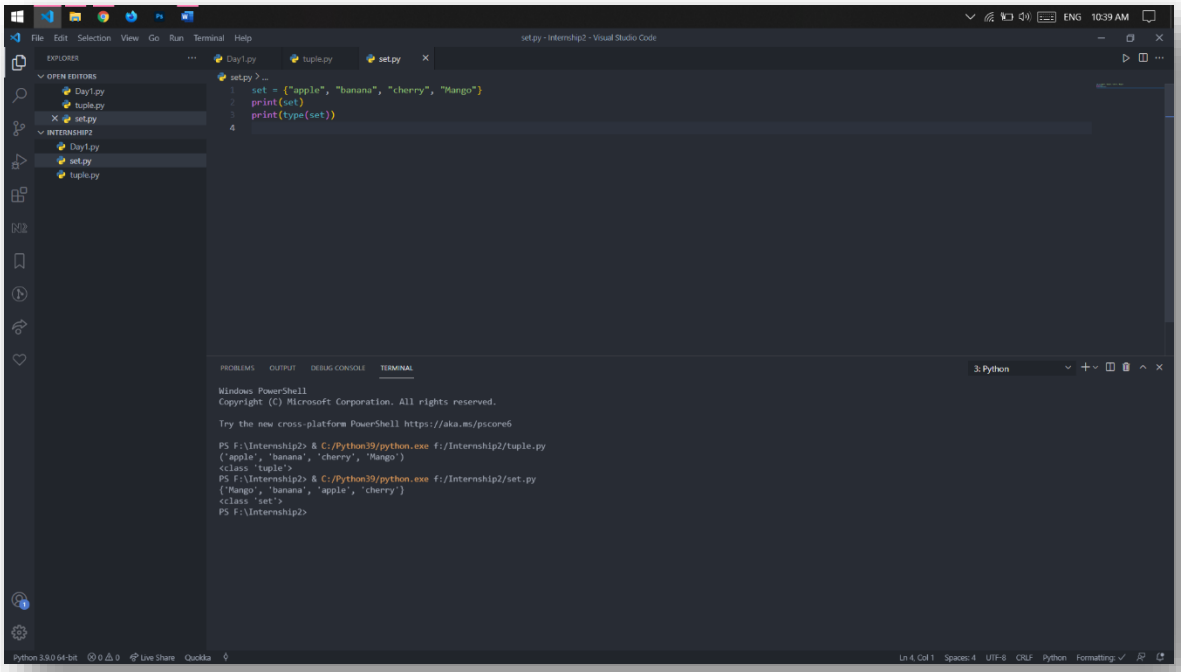
2. Tuple –

```
tuple = ("apple", "banana", "cherry", "Mango")

print(tuple)
print(type(tuple))
```



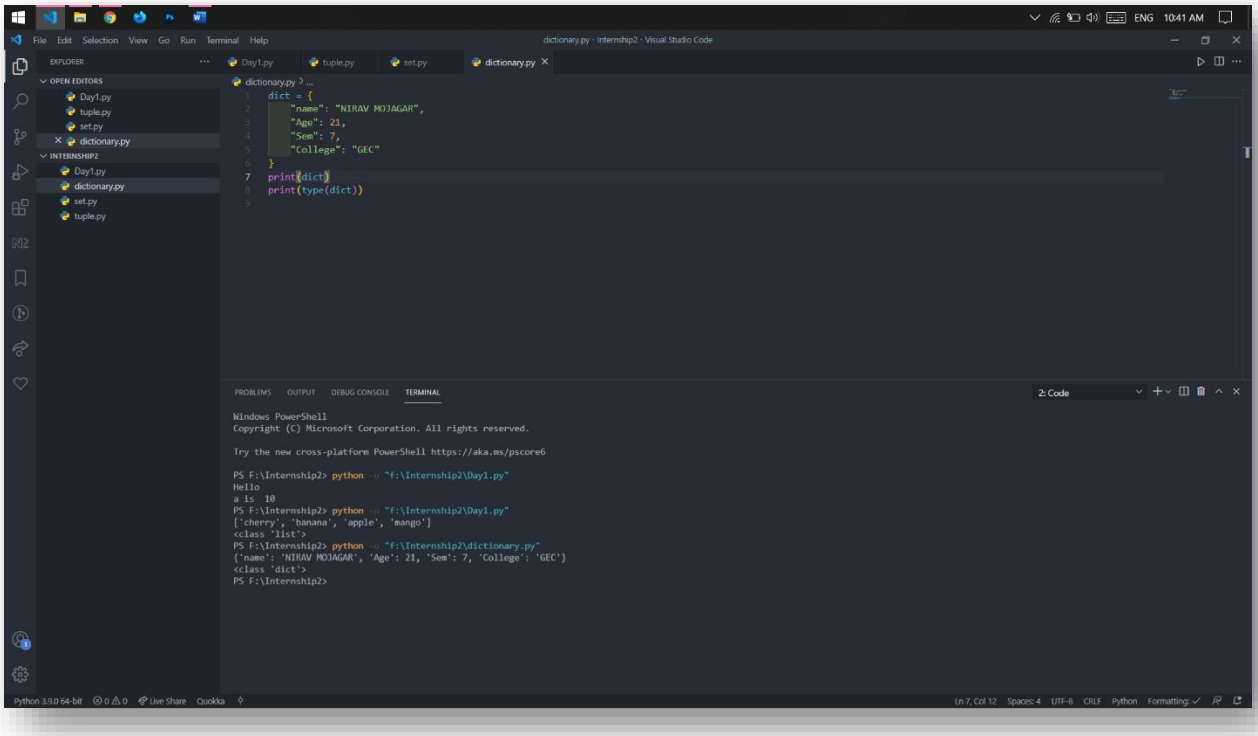
3. Set –

```
set = {"apple", "banana", "cherry", "Mango"}
print(set)
print(type(set))
```



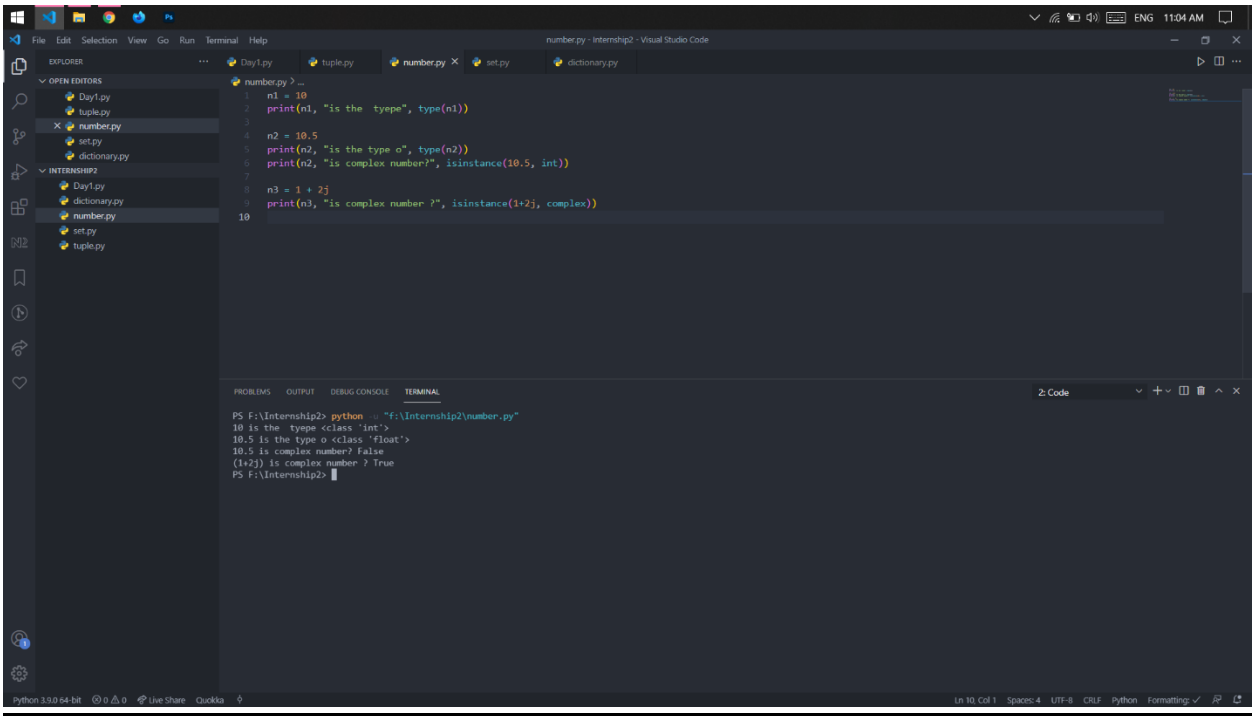
4. Dictionary –

```
_____dict = {
    "name": "NIRAV MOJAGAR",
    "Age": 21,
    "Sem": 7,
    "College": "GEC"
}
print(dict)
print(type(dict))
```

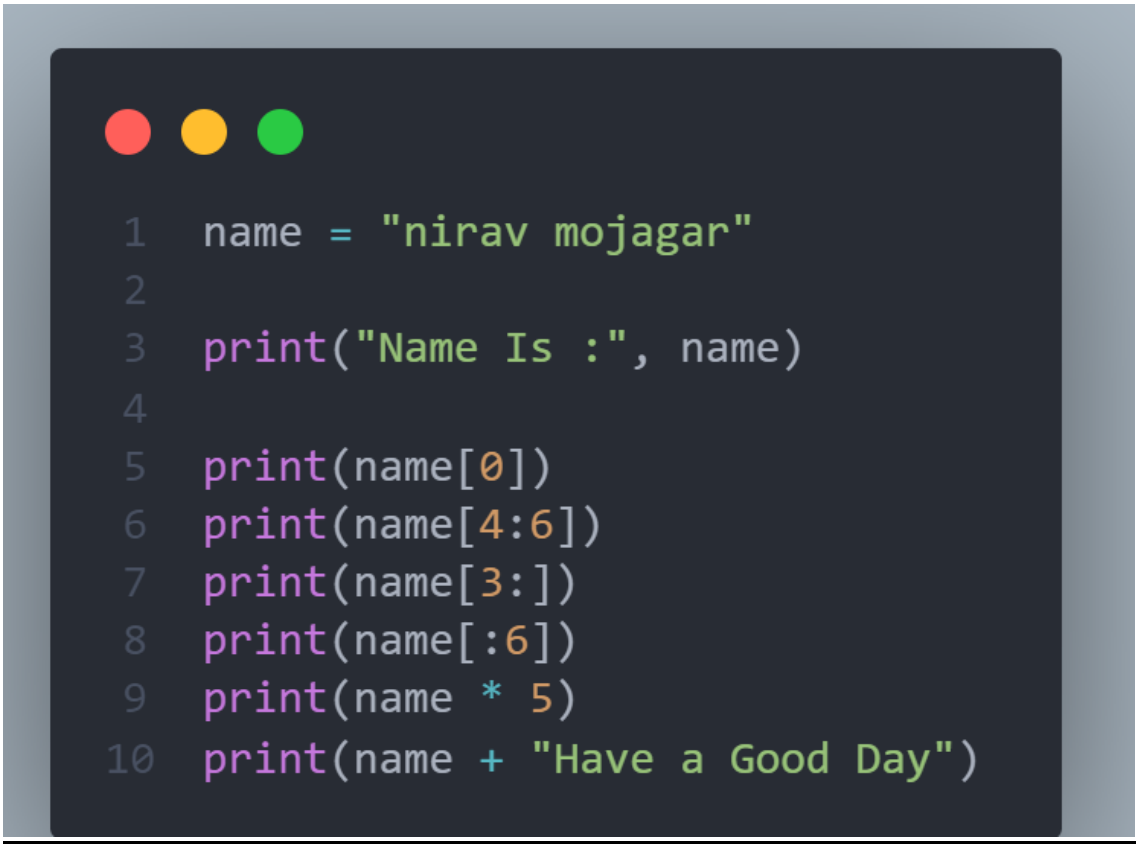


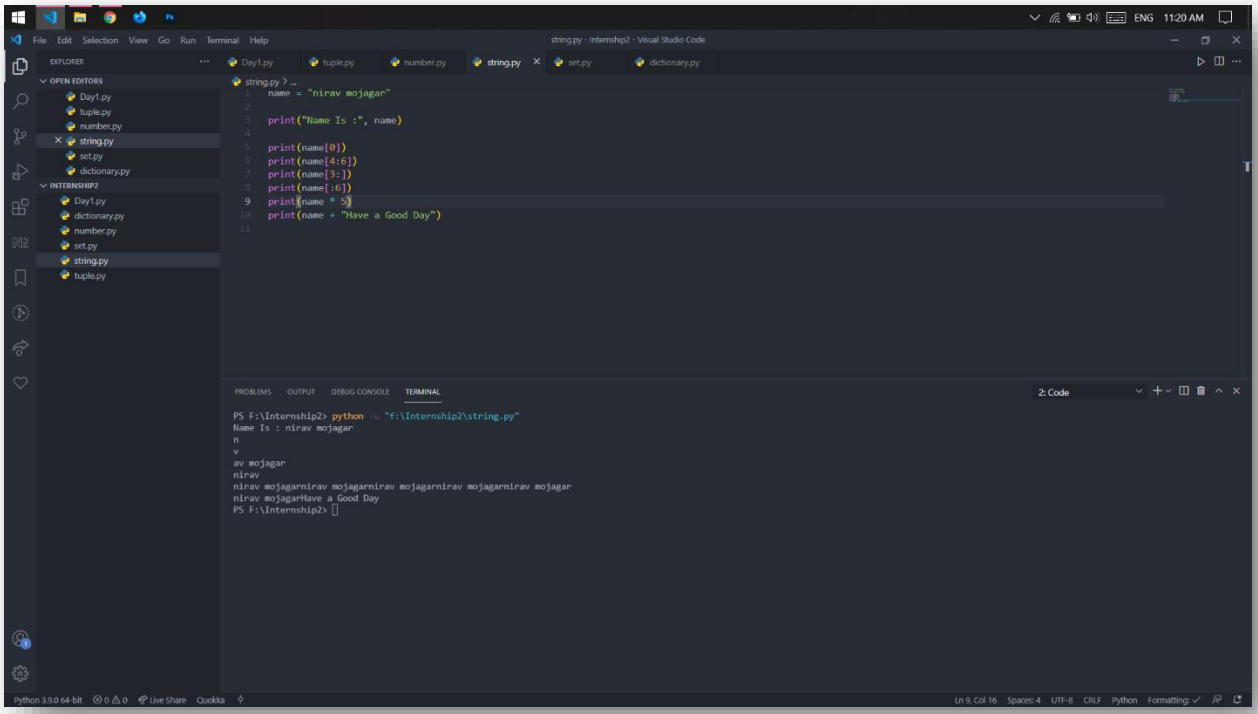
5. Number

```python
n1 = 10
print(n1, "is the  tyepe", type(n1))

n2 = 10.5
print(n2, "is the type o", type(n2))
print(n2, "is complex number?", isinstance(10.5, int))

n3 = 1 + 2j
print(n3, "is complex number ?", isinstance(1+2j, complex))

```


number.py - Internship2 - Visual Studio Code
n1 = 10
print(n1, "is the tyepe", type(n1))
n2 = 10.5
print(n2, "is the type o", type(n2))
print(n2, "is complex number?", isinstance(10.5, int))
n3 = 1 + 2j
print(n3, "is complex number ?", isinstance(1+2j, complex))
PS F:\Internship2> python "f:\Internship2\number.py"
10 is the tyepe <class 'int'>
10.5 is the type o <class 'float'>
10.5 is complex number? False
(1+2j) is complex number ? True
PS F:\Internship2>

6. String


name = "nirav mojagar"
print("Name Is :", name)
print(name[0])
print(name[4:6])
print(name[3:])
print(name[:6])
print(name * 5)
print(name + "Have a Good Day")


File Edit Selection View Go Run Terminal Help
string.py - internship2 - Visual Studio Code
EXPLORER
OPEN EDITORS
Day1.py
tuple.py
number.py
string.py
set.py
dictionary.py
INTERNSHIP2
Day1.py
dictionary.py
number.py
set.py
string.py
tuple.py
name = "nirav mojagar"
print("Name Is :", name)
print(name[0])
print(name[4:6])
print(name[3:])
print(name[:6])
print(name * 5)
print(name + "Have a Good Day")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
2: Code
PS F:\Internship2> python -u "f:\Internship2\string.py"
Name Is : nirav mojagar
n
v
av mojagar
nirav
nirav mojagarnirav mojagarnirav mojagarnirav mojagarnirav mojagar
nirav mojagarHave a Good Day
PS F:\Internship2>