

Experiment no:1

Title: write a program to implement list,tuple,set and dictionary

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batch:s4

```
courses=["AIML","CSE","MECH"]
print("courses are:",courses)
print(id(courses))
courses[0]="civil"
print("courses Are:",courses)
```

Output:

```
C:\Users\supriya\PycharmProjects\pythonProject1\venv\Scripts\python.exe C
courses are: ['AIML', 'CSE', 'MECH']
2242955456896
courses Are: ['civil', 'CSE', 'MECH']

Process finished with exit code 0
```

Tuple:

```
subjects=("java","C","C++","Python")
print("subjects are:",subjects)
print(subjects[0:2])
```

Output:

```
C:\Users\supriya\PycharmProjects\pythonProject1\venv\Scripts\python.exe
subjects are: ('java', 'C', 'C++', 'Python')
('java', 'C')

Process finished with exit code 0
```

Set:

```
var={"red","black","pink","white"}
print(var)
var.add("green")
print(var)
```

Output:

```
C:\Users\supriya\PycharmProjects\pythonProject1\venv\Scripts\python.exe  
{'pink', 'black', 'white', 'red'}  
{'pink', 'white', 'red', 'black', 'green'}  
  
Process finished with exit code 0
```

Dictionary:

```
alpha={"a":"apple","b":"ball","c":"cat","d":"dog"}  
print(alpha)  
alpha["b"]="bat"  
print(alpha)
```

Output:

```
C:\Users\supriya\PycharmProjects\pythonProject1\venv\Scripts\python.exe  
{'a': 'apple', 'b': 'ball', 'c': 'cat', 'd': 'dog'}  
{'a': 'apple', 'b': 'bat', 'c': 'cat', 'd': 'dog'}  
  
Process finished with exit code 0
```