DATA STRUCTURE
SECOND CLASS
LAB 4
PREPARED BY:

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Lecture Outline: -
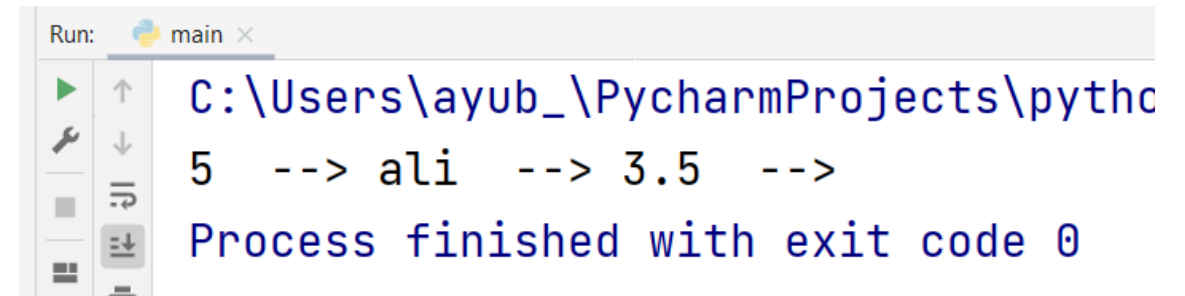
1- Static LinkedList

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Write a program to initial static Linked List of 3 Nodes

```python
class Node():
    def __init__(self,data,next=None):
        self.data=data
        self.next=next
nod1=Node(5)
nod2=Node('ali')
nod3=Node(3.5)
nod1.next=nod2
nod2.next=nod3
p=nod1
while p!=None:
    print(p.data,' --> ',end='')
    p=p.next
```
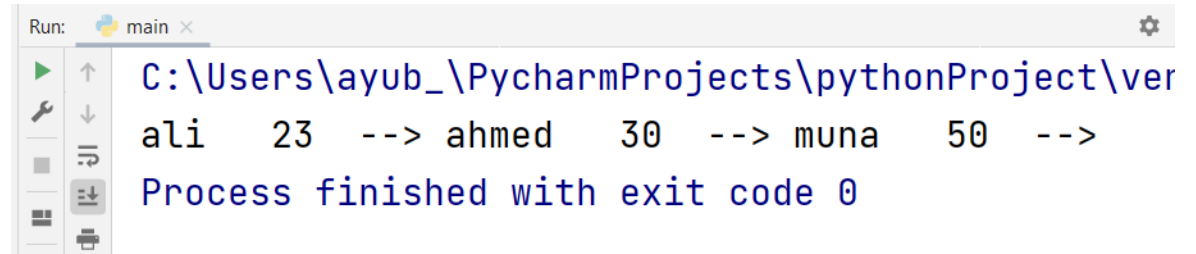
```
Run:    main ×
    ▶  ↑    C:\Users\ayub_\PycharmProjects\pytho
    🔧 ↓
            5  --> ali  --> 3.5  -->
    ■  ⇥
    ⇥↓      Process finished with exit code 0
```

Write a program to initial static Linked List of 3 Nodes of students and each node contain (name and age)

```python
class Node():
    def __init__(self,name,age,next=None):
        self.name=name
        self.age=age
        self.next=next
nod1=Node('ali',23)
nod2=Node('ahmed',30)
nod3=Node('muna',50)
nod1.next=nod2
nod2.next=nod3
p=nod1
while p!=None:
    print(p.name,' ',p.age, ' --> ',end='')
    p=p.next
```

```
Run:    main ×
    ►  ↑    C:\Users\ayub_\PycharmProjects\pythonProject\ver
    ⚒  ↓    ali    23   --> ahmed    30   --> muna    50   -->
    ■  ⇥
           Process finished with exit code 0
    ⊞  ↴
       ⎙
```

Thank You