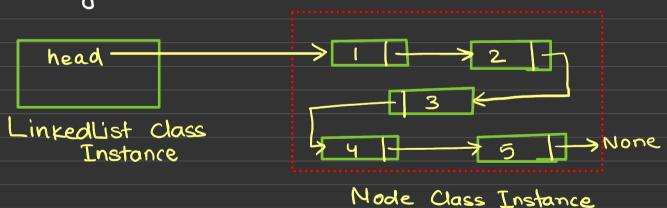




Implementing Linked List in Python

→ A Linked List in Python Can be implemented using Classes to represent nodes and the Linked list Structure.

>> Python does not have a built-in Linked list, but you can Create one using Classes.



LinkedList Class

```
Class LinkedList:
     def __init__(self):
          Self. head = None
     def display(self):
            Pass
      def insert(self, index, data):
            Pasc
           delete (self, index):
      def
            Pass
           Search(self, key):
      def
             Pass
```



Node Class

Class Node:

def __init__(self,data);

self.data = data

self. next = None.

Hands-On



- Q. Implement a Menu driven Linked List Program which supports the following operation
 - 1 Insert node at index i
 - 2 Delete node at index i
 - 3 Search mode with key x
 - 9 Display the Linked List
 - 6 Exit the Program.



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