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**Task 6.1**

class Node:

def \_\_init\_\_(self,value):

self.Info = value

self.Next = None

def Print(self):

print(self.Info)

if(self.Next is not None):

self.Next.Print()

Start = Node(22)

Start.Next = Node(24)

Start.Next.Next = Node(25)

Start.Print()

**Task 6.2**

class LinkedList:

def \_\_init\_\_(self):

self.start = None

def \_\_int\_\_(self,value):

self.Start = Node(value)

def Print(self):

if(self.Start == None):

print("List is Empty")

else:

self.start.print()

**Task 6.3**

class LinkedList:

def \_\_init\_\_(self):

self.Start = None

def \_\_init\_\_(self, value):

self.Start = Node(value)

def InsertatBegin(self, value):

if(self.Start == None):

self.Start = Node(value)

else:

Temp = Node(value)

Temp.Next = self.Start

self.Start = Temp

**Task 6.4**

def InsertatEnd(self,value):

if (self.start is None):

self.Start = Node(value)

else:

ptr = self.Start

while (ptr.Next != None):

ptr = ptr.Next

ptr.Next = Node(value)

**Task 6.5**

def Count(self):

if (self.Start is None):

print("List is Empty")

else:

ptr = self.Start

Count = 1

while(ptr.Next != None):

ptr = ptr.Next

Count += 1

return count

**Task 6.6**

def InsertionPosition(self, Position, value):

if(Position == 1):

self.InsertatBegin(value)

elif(Position > 1 and Position <= self.Count() + 1):

ptr = self.Start

for i in range(1, Position - 1):

ptr = ptr.Next

New = Node(value)

New.Next = ptr.Next

ptr.Next = New

else:

print("Position Not Found in List")