Practical 2

AIM:

CODE:

class Node:

def \_\_init\_\_(self,my\_data):

self.prev=None

self.data=my\_data

self.next=None

class double\_list:

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

self.head=None

self.tail=None

def add\_data(self,my\_data):

new\_node=Node(my\_data)

if(self.head==None):

self.head=self.tail=new\_node;

self.head.previous=None;

self.tail.next=None;

else:

self.tail.next=new\_node;

new\_node.previous=self.tail;

self.tail=new\_node;

self.tail.next=None;

def print\_it(self):

curr = self.head

if(self.head==None):

print("The list is empty")

return

print("The node in the doubly linked list are :")

while curr !=None:

print(curr.data)

curr=curr.next

my\_instance=double\_list()

print("Elements are being added to the doubly linked list")

my\_instance.add\_data(10)

my\_instance.add\_data(24)

my\_instance.add\_data(54)

my\_instance.add\_data(77)

my\_instance.add\_data(92)

my\_instance.print\_it()

OUTPUT:

Elements are being added to the doubly linked list

The node in the doubly linked list are :

10

24

54

77

92