ARRAY IMPLEMENTATION

BY

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try:

class array ():

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

self= []

def insert\_at\_last (self, lst, val):

l=lst

l.append(val)

return l

def insert\_at\_start (self, lst, val):

l=lst

l.insert (0, val)

return l

def insert\_at\_mid (self,lst,val, index):

l=lst

l.insert(index, val)

return l

def to\_pop(self, lst):

l=lst

l1=l.pop()

return l1

def to\_remove(self,lst,val):

l=lst

l.remove(val)

return l

def to\_get\_min(self,lst):

l=lst

l1=min(l)

return l1

def to\_get\_max(self,lst):

l=lst

l1=max(l)

return l1

def to\_get\_length(self,lst):

l=lst

l1=len(l)

return l1

def to\_reverse(self,lst):

l=lst

l.reverse()

return l

obj= array()

lst=[]

length=int(input("Enter A Length Of A List:"))

print("Enter The List Elements:")

for i in range(length):

values=int(input())

lst.append(values)

x='y'

while(x=='y'):

print("Enter '1' for insert a value in a list at start")

print("Enter '2' for insert a value in a list at end")

print("Enter '3' for insert a value in a list at Your Position")

print("Enter '4' for pop a list")

print("Enter '5' for Remove some element from a list")

print("Enter '6' to get a min in a list")

print("Enter '7' to get a max in a list")

print("Enter '8' to get a length of the list")

print("Enter '9' to reverse a list")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

choice=int(input("Enter The Choice From Above Function:"))

if choice==1:

val=int(input("Enter The Value To Add:"))

res=obj.insert\_at\_start(lst,val)

print(res)

elif choice==2:

val=int(input("Enter The Value To Add:"))

res=obj.insert\_at\_last(lst,val)

print(res)

elif choice==3:

val=int(input("Enter The Value To Add:"))

pos=int(input("Enter The Position For Adding value:"))

res=obj.insert\_at\_mid(lst,val,pos)

print(res)

elif choice==4:

res=obj.to\_pop(lst)

print(res)

elif choice==5:

val=int(input("Enter The Element In a List:"))

res=obj.to\_remove(lst,val)

print(res)

elif choice==6:

res=obj.to\_get\_min(lst)

print(res)

elif choice==7:

res=obj.to\_get\_max(lst)

print(res)

elif choice==8:

res=obj.to\_get\_length(lst)

print(res)

elif choice==9:

res=obj.to\_reverse(lst)

print(res)

print("------------------------------------------------------------------------------------------")

x=input("To Continue The Above Function Press 'y' If not press 'n':")

print("Program Exit")

except:

print("something went wrong!kindly check your code")

Output:

Enter A Length Of A List:5

Enter The List Elements:

1

2

3

4

5

Enter '1' for insert a value in a list at start

Enter '2' for insert a value in a list at end

Enter '3' for insert a value in a list at Your Position

Enter '4' for pop a list

Enter '5' for Remove some element from a list

Enter '6' to get a min in a list

Enter '7' to get a max in a list

Enter '8' to get a length of the list

Enter '9' to reverse a list

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Enter The Choice From Above Function:1

Enter The Value To Add:6

[6, 1, 2, 3, 4, 5]

To Continue The Above Function Press 'y' If not press 'n':n

Program Exit