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ASSINGNMENT: (MODULE-3 PYTHON)

1)

```
a=int(input())
```

```
list=[]
```

```
for i in range(0,n):
```

```
    c=input().split()
```

```
    if c[0]=="insert":
```

```
        list.insert(int(c[1]),int(c[2]))
```

```
    elif c[0]=="print":
```

```
        print(list)
```

```
    elif c[0]=="remove":
```

```
        list.remove(int(c[1]))
```

```
    elif c[0]=="append":
```

```
        list.append(int(c[1]))
```

```
    elif c[0]=="sort":
```

```
        list.sort()
```

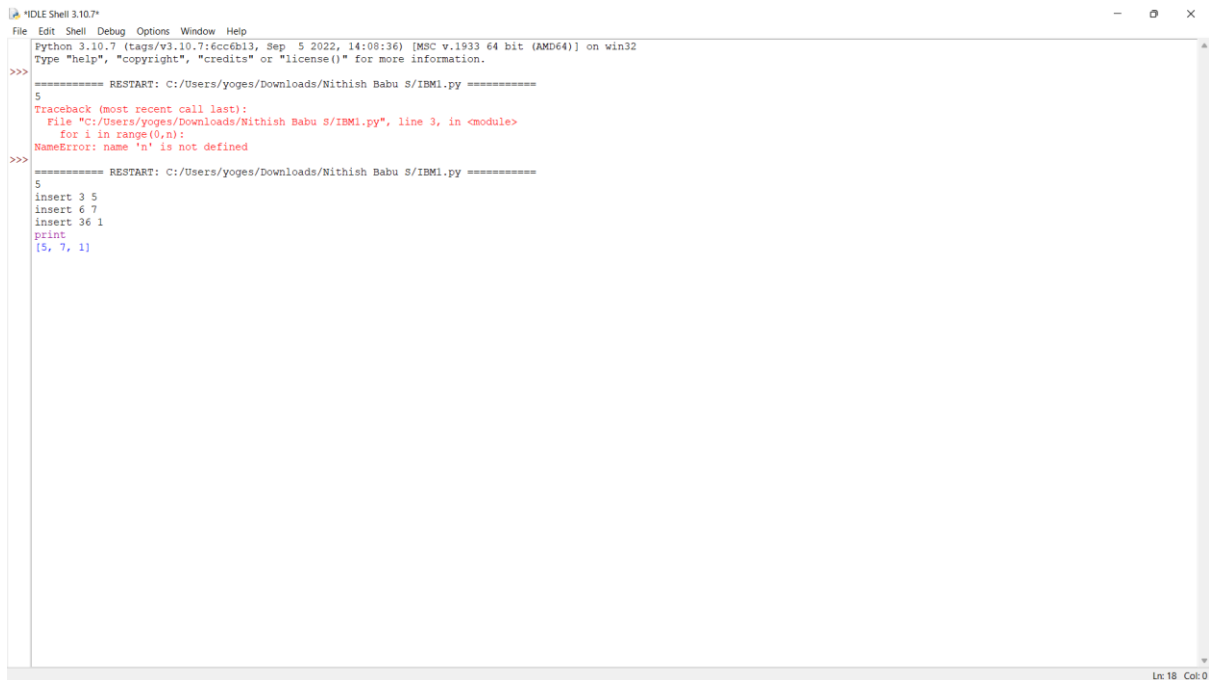
```
    elif c[0]=="pop":
```

```
        list.pop()
```

```
else:
```

```
    list.reverse()
```

OUTPUT:



```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/yoges/Downloads/Nithish Babu S/IBM1.py =====
5
Traceback (most recent call last):
  File "C:/Users/yoges/Downloads/Nithish Babu S/IBM1.py", line 3, in <module>
    for i in range(0,n):
NameError: name 'n' is not defined
>>>
===== RESTART: C:/Users/yoges/Downloads/Nithish Babu S/IBM1.py =====
5
insert 3 5
insert 6 7
insert 36 1
print
[5, 7, 1]
```

2)

while(True):

print("\nCalculator:\n1.Add\n2.Subtract\n3.Multiplication\n4.Division\n5.Exit")

print("Enter the choice:")

a=int(input())

if(a==5):

break

f=int(input("Enter the First number:"))

s=int(input("Enter the second number:"))

if(a==1):

print("Answer:",f+s)

elif(a==2):

print("Answer:",f-s)

elif(a==3):

print("Answer:",f*s)

elif(a==4):

print("Answer:",f/s)

else:

break

OUTPUT:

```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
===== RESTART: C:/Users/yoges/Downloads/Nithish Babu S/IBM2.py =====
Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
1
Enter the First number:12
Enter the second number:23
Answer: 35

Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
2
Enter the First number:34
Enter the second number:12
Answer: 22

Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
3
Enter the First number:2
Enter the second number:3
Answer: 6

Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
4
Enter the First number:4
Enter the second number:2
Answer: 2.0

Ln: 77 Col: 0
```

```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
1
Enter the First number:12
Enter the second number:23
Answer: 35

Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
2
Enter the First number:34
Enter the second number:12
Answer: 22

Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
3
Enter the First number:2
Enter the second number:3
Answer: 6

Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
4
Enter the First number:4
Enter the second number:2
Answer: 2.0

Calculator:
1.Add
2.Subtract
3.Multiplication
4.Division
5.Exit
Enter the choice:
5
>>>

Ln: 77 Col: 0
```

3)

```
n1="Nithish"
```

```
n2="Babu"
```

```
print("String-1: ",n1)
```

```
print("String-2: ",n2)
```

```
print("Concatenate: ",n1+n2)
```

```
print("String reverse: ",n1[::-1])
```

```
print("String Slice: ",n2[2:4])
```

OUTPUT:

```
==== RESTART: C:/Users/yoges/Downloads/Nithish Babu S/IBM3.py =====
String-1: Nithish
String-2: Babu
Concatenate: NithishBabu
String reverse: hsihtnI
String Slice: bu
>>>
```

Ln 84 Col 0