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SECTION: BSCS 1A

PROGRAMMING FUNDAMENTAL LAB

LAB 10 LIST TASK

QUESTION1:

```
a=[1,3,5]

b=[2,4,6]

c=a+b

print(c)

list_1=[7,8,9]

c+=(list_1)

print(c)

print(c[0:3])

print(b[-1])

length=len(a)

print(length)

sum=0

for i in c:

    sum+=i

    print(sum)

average=sum/len(c)

print("The average is =",average)
```

Minimum:

```
minimum=1

for i in c:

    if i<minimum:

        minimum=i

print("The minimum is=",minimum)

fourth_element=c[0:3]+[42]+c[3:9]

print("Adding Fourth_element in list c  =",fourth_element)
```

OUTPUT:

```
[1, 3, 5, 2, 4, 6]
[1, 3, 5, 2, 4, 6, 7, 8, 9]
[1, 3, 5]
6
3
1
4
9
11
15
21
28
36
45
The average is = 5.0
Adding Fourth_element in list c  = [1, 3, 5, 42, 2, 4, 6, 7, 8, 9]
```

QUESTION 2:

```python
def same_number(list_1,list_2):

    for x in list_1:

        for y in list_2:


            if x==y:

                return True

    return False


same_number([1,2,3],[4,5,2])
```

OUTPUT:

True

QUESTION 3:

NOT GRADED TASK:

```
def unique_element(l):

    x=[]

    for a in l:

        if a not in x:


            x.append(a)

    return x

print(unique_element([33,55,66,77,77
```

OUTPUT:

```
[33, 55, 66, 77]
```

QUESTION4:

```
x=[0,3,2,4,5]

y=[]

while x:

    minimum=x[0]

    for element in x:

        if element>minimum:

            minimum=element


    x.remove(minimum)

    y.append(minimum)


print(y)
```

OUTPUT:

[5, 4, 3, 2, 0]