

Lists

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Section: BS-CS

Q1.

1. Code

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

```
b = [2,4,6]
```

```
c = a+b
```

```
print(c)
```

output:

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

2. Code

```
c.append(7)
```

```
c.append(8)
```

```
c.append(9)
```

```
print(c)
```

output:

```
[1, 3, 5, 2, 4, 6, 7, 8, 9]
```

3. Code

```
print(c[0:3])
```

output:

```
[1, 3, 5]
```

4. Code

```
print(b[-1])
```

output:

```
6
```

5. Code

```
print(len(a))
```

output

6. Code

```
#minimum value in c
for i in c:
    if i < c[0]:
        c[0] = i
min_num = c[0]
print(min_num)
print(c)
```

output:

```
1
[1, 3, 5, 2, 4, 6, 7, 8, 9]
```

7. Code

```
# for average
Sum = 0
for i in c:
    Sum+=i
    counter+=1
Average = Sum/len(c)
print(Average)
```

output:

```
[1, 3, 5, 2, 4, 6, 7, 8, 9]
5.0
```

8. Code

```
c[4]=42
```

output:

```
[1, 3, 5, 2, 42, 6, 7, 8, 9]
```

Q2:

Code:

```
# returns True if they have at least one common member.
def check(list1,list2):
    for i in list1:
        if i in list2:
            return True
    else:
        return False
list1 = [1,3,4,5,3,5,3]
```

```
list2 = [2,3,4,5,6,7]
answer = check(list1,list2)
print(answer)
```

output: _____

True