

Feb8 DSA Day3

February 8, 2021

```
[2]: for i in range(1, 10):  
      print(i, end = " ")
```

1 2 3 4 5 6 7 8 9

1 Array

```
[3]: # l = [2, 3, 4, 5]  
      # li = list()  
  
      l = [int(i) for i in input('Enter values: ').split()]  
  
      x = int(input('Enter a value to add: '))  
      l.append(x)  
  
      print(l)
```

Enter values: 10 20 30 40

Enter a value to add: 50

[10, 20, 30, 40, 50]

```
[4]: l.insert(0, 15) ##l.insert(index, item)  
      print(l)
```

[15, 10, 20, 30, 40, 50]

```
[5]: l.insert(len(l), 60)  
      print(l)
```

[15, 10, 20, 30, 40, 50, 60]

```
[6]: pos = int(input('Enter the position to insert: '))  
  
      l.insert(pos, 45)  
  
      print(l)
```

Enter the position to insert: 3
[15, 10, 20, 45, 30, 40, 50, 60]

```
[7]: l.pop()  
      print(l)
```

[15, 10, 20, 45, 30, 40, 50]

```
[8]: l.pop(0)  
      print(l)
```

[10, 20, 45, 30, 40, 50]

```
[ ]:
```