Karanjot Singh

In [6]:

```python
s = input("Enter Comma seprated Numbers:").split(",")
#l = list(s)
print(s)
q = tuple(s)
print(q)
```

```
Enter Comma seprated Numbers:34,67,55,33,12,98
['34', '67', '55', '33', '12', '98']
('34', '67', '55', '33', '12', '98')
```

In [34]:

```python
s = input("Enter the Numbers with Commas:").split(",")
s = [int(i) for i in s]
l = []
a = ''
for i in s:
    if i % 2 == 0:
        pass
    else:
        l.append(i**2)
l = [str(i) for i in l]
a = ",".join(l)
print(a)
```

```
Enter the Numbers with Commas:1,2,3,4,5,6,7,8,9
1,9,25,49,81
```

In [35]:

```python
l1 = ["One","Two","Three","Four","Five"]
l2 = [1,4,9,16,25]
c = {l1[i]:l2[i] for i in range(len(l1))}
print(c)
```

```
{'One': 1, 'Two': 4, 'Three': 9, 'Four': 16, 'Five': 25}
```

In [40]:

```python
def square(start,end):
    if start == end:
        print(l)
    else:
        l.append(start**2)
        square(start+1,end)
l = list()
square(1,21)
```

```
[1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, 225, 256, 289, 32
4, 361, 400]
```

In [56]:

```python
l = [1,2,3,4,5,6,7,8,9,12,13,14,15,16,17,18]
def even(x):
    if x % 2 == 0:
        return True
    else:
        return False
even_no = filter(even,l)
#print(even_no)
for j in even_no:
    print(j)
```

```
2
4
6
8
12
14
16
18
```

In [55]:

```python
l = [1,2,3,4,5,6,7,8,9,10]
def square(x):
    return x**2
result = map(square,l)
#print(type(result))
l2 = list(result)
print(l2)
```

```
[1, 4, 9, 16, 25, 36, 49, 64, 81, 100]
```