In [1]:

```
def person():
    print("Machine Learning...")
```

In [2]:

```
person()
```

```
Machine Learning...
```

In [3]:

```
def person(a,b):
    if a>b:
        print("A is Greater then B")
```

In [4]:

```
person(10,5)
```

```
A is Greater then B
```

In [5]:

```
def person(a,b):
    if a>b:
        print("A is Greater then B")
    else:
        print("This is Small.....")
```

In [6]:

```
person(5,10)
```

```
This is Small.....
```

In [7]:

```
def person(a,b=100):
    if a==b:
        print("A == B")
    else:
        print("This is Not.....")
```

In [11]:

```
a=int(input("Enter the value: "))
b=int(input("Enter the value: "))
person(a,b)
```

```
Enter the value: 55
Enter the value: 55
A == B
```

EX 2

In [11]:

```
def school():
    name=[]
    for x in range(3):
        n1=input("Enter the Name: ")
        name.append(n1)
    return name
```

In [12]:

```
def details():
    ab=school()
    marks=[]
    temp=[]
    for x in ab:
        print("Please Enter the Marks of: ",x)
        marks.append(x)
        count=int(input("Enter the Subject Count: "))
        for y in range(count):
            m=int(input("Enter the Marks: "))
            temp.append(m)
            marks.append(m)
        total=sum(temp)
        avg=total/len(temp)
        print("My Marks are: ",marks)
        print("This is Total Marks: ",total,"My Average Marks are: ",avg,"%")
        temp.clear()
    return marks
```

In [13]:

```
def information():
    info=details()
    for x in info:
        if x == "Sachin":
            print("I got Sachin: ")
```

In [14]:

```
information()
```

```
Enter the Name: Sachin
Enter the Name: Sagar
Enter the Name: Pooja
Please Enter the Marks of:  Sachin
Enter the Subject Count: 3
Enter the Marks: 99
Enter the Marks: 96
Enter the Marks: 85
My Marks are:  ['Sachin', 99, 96, 85]
This is Total Marks:  280 My Average Marks are:  93.33333333333333 %
Please Enter the Marks of:  Sagar
Enter the Subject Count: 3
Enter the Marks: 85
Enter the Marks: 78
Enter the Marks: 88
My Marks are:  ['Sachin', 99, 96, 85, 'Sagar', 85, 78, 88]
This is Total Marks:  251 My Average Marks are:  83.66666666666667 %
Please Enter the Marks of:  Pooja
Enter the Subject Count: 3
Enter the Marks: 99
Enter the Marks: 66
Enter the Marks: 88
My Marks are:  ['Sachin', 99, 96, 85, 'Sagar', 85, 78, 88, 'Pooja', 99, 66,
88]
This is Total Marks:  253 My Average Marks are:  84.33333333333333 %
Sachin
99
96
85
Sagar
85
78
88
Pooja
99
66
88
```

EX3

In [6]:

```
def dataset():
    marks=[]
    for x in range(5):
        m=int(input("Enter the Marks: "))
        marks.append(m)
    total=sum(marks)
    avg=total/len(marks)
    print("This is Total Marks: ",total,"My Average Marks are: ",avg,"%")
```

In [7]:

```
dataset()
```

```
Enter the Marks: 96
Enter the Marks: 85
Enter the Marks: 88
Enter the Marks: 78
Enter the Marks: 99
This is Total Marks:  446 My Average Marks are:  89.2 %
```

In [ ]:

```

```

In [ ]:

```

```