In [1]:
```
if True: #identation is always 4 spaces or Tab
    print('Data Science')
```

```
Data Science
```

In [3]:
```
if False:
    print('Data Science')
print('bye for now')
```

```
bye for now
```

In [7]:
```
if True:
    print('Data Science')
print('bye for now')
```

```
Data Science
bye for now
```

In [9]:
```
if True:
    print('Data Science')
else:
    print('bye for now')
```

```
Data Science
```

In [11]:
```
if False:
    print('Data Science')
else:
    print('bye for now')
```

```
bye for now
```

In [13]:
```
x=4
r=x%2
if r==0:
    print('Even number')
```

```
Even number
```

In [15]:
```
x=5
r=x%2
```

```
if r==0:
    print('Even number')
```

In [19]:
```
x=5
r=x%2
if r==0:
    print('Even number')
if r==1:
    print('odd number')
```

```
odd number
```

In [21]:
```
x=5
r=x%2
if r==0:
    print('Even number')
if r!=0:
    print('odd number')
```

```
odd number
```

In [25]:
```
x=24
r=x%2
if r==0:
    print('Even number')
else:
    print('odd number')
```

```
Even number
```

In [31]:
```
x=4
r=x%2
if r==0:
    print('Even number')
    if x>5:
        print('greater number')
else:
    print('odd number')
```

```
Even number
```

In [33]:
```
x=4
r=x%2
if r==0:
    print('Even number')
    if x>5:
        print('greater number')
    else:
        print('lesser number')
else:
    print('odd number')
```

```
Even number
lesser number
```

In [35]:
```
x=6
r=x%2
if r==0:
    print('Even number')
    if x>5:
        print('greater number')
else:
    print('odd number')
```

```
Even number
greater number
```

In [37]:
```
x = 2

if x == 1:
    print('one')
if x == 2:
    print('Two')
if x == 3:
    print('Three')
if x == 4:
    print('four')
```

```
Two
```

In [39]:
```
x = 5
```

```
if x == 1:
    print('one')

elif x == 2:
    print('Two')
elif x == 3:
    print('Three')
elif x == 4:
    print('four')

else:
    print('number not found')
```

```
number not found
```

In [ ]: