Conditional Statements

```
In [2]:  #if
```

```
In [3]:  if True:
             print('Data Science')
```
Data Science

```
In [4]:  if False:
             print('Data Science')
         print('good bye')
```
good bye

```
In [5]:  if True:
             print('Data Science')
         print('good bye')
```
Data Science
good bye

```
In [6]:  if True:
             print('Data Science')
         else:
             print('good bye')
```
Data Science

```
In [7]:  #even number
```

```
In [8]:  x=4
         r=x%2
```

```
In [9]:  if r==0:
             print('even number')
```
even number

```
In [13]:  x=5
          r=x%2
          if r==0:
              print('even number')
          print('odd number')
```
odd number

```
In [16]:  x=7
          r=x%2
          if r!=0:
              print('odd number')
```
odd number

In [17]:
```python
x=7
r=x%2
if r==1:
    print('odd number')
```

odd number

In [18]:
```python
# nested if
```

In [21]:
```python
x=10
r=x%2
if r==1:
    print('odd number')
if r==0:
    print('even')
```

even

In [22]:
```python
# if sle statement
```

In [27]:
```python
x=12
r=x%2
if r!=0:
    print('odd number')
else:
    print('even')
```

even

In [32]:
```python
# nested if
x=4
r=x%2
if r==0:
    print('even number')
    if x>5:
        print('greater number')
    else:
        print('less number')


else:
    print('odd number')
```

even number
less number

In [33]:
```python
x=13
r=x%2
if r==0:
    print('even number')
    if x>5:
        print('greater number')
    else:
```

```
        print('less number')


    else:
        print('odd number')
```

odd number

In [34]:
```python
x = 3

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

Three

In [35]:
```python
#elif

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 [36]:
```python
#
```

In [38]:
```python
age = 19
if age > 18: print("Eligible to Vote.")
```

Eligible to Vote.

In [ ]: