In [2]:
```
# There are three types of data
# Intergers(int) === 2, 3 -3
#Strings (str)=== "School"
# Boolean (bool)== True False
# to find type of data we use (type)
```

In [8]:
```
type("microsoft")
```

Out[8]:
```
str
```

In [4]:
```
type(6)
```

Out[4]:
```
int
```

In [5]:
```
type(False)
```

Out[5]:
```
bool
```

In [10]:
```
a = 3
b = 8
```

In [12]:
```
if a < b :
    print('a is greater than b')
```

```
a is greater than b
```

In [14]:
```
if True:
    print("a is lesser than b")
```

```
a is lesser than b
```

In [15]:
```
#def are_you_sad(is_rainy, has_umbrella):
#    if is_rainy == True and has_umbrella == False:
#        return True
#    else:
#       return False

#def are_you_sad(is_rainy, has_umbrella):
#    if is_rainy and not has_umbrella:
#        return True
#    else:
#        return False
```

In [22]:
```
# the above to codes can be used

def are_you_sad(is_rainy, has_umbrella):
    return is_rainy and not has_umbrella        # the statement gives true
```

In [23]:
```
are_you_sad(True, True)  # is rainy true and has umbrella is true
```

Out[23]:
```
False
```

In [24]:
```
are_you_sad(True, False)
```

Out[24]:
```
True
```

In [25]:
```
are_you_sad(False, True)
```

Out[25]:
```
False
```

In [28]:
```
def c_greater_than_d_plus_e(c, d, e):
    return c > d +e
```

In [29]:
```
are_you_sad(True, True)
```

Out[29]:
```
True
```

In [31]:
```
c_greater_than_d_plus_e(1, 1, 1)
```

Out[31]:
```
False
```

In [ ]:
```

```