In [28]:
```
import numpy as np

X = np.random.rand(1,15)
m = 3
b = 2
Y = X*m + b
```

In [34]:
```
XY_bar = np.sum(X*Y)/X.shape[1]
Y_bar = np.sum(Y)/Y.shape[1]
X_bar = np.sum(X)/X.shape[1]
Xsquared_bar = np.sum(X**2)/X.shape[1]

# Calculations for finding m
(XY_bar - (Y_bar*X_bar))/(Xsquared_bar - (X_bar*X_b

# Notice how the output is very close to our set sl
```

Out[34]:
```
3.0000000000000004
```

In [31]:
```
# Calculations for finding b
Y_bar - m*X_bar

# Notice how the output is very close to our set sl
```

Out[31]:
```
2.0
```

In [38]:
```
# Another calculations for finding b
Y_bar - ((XY_bar - (Y_bar*X_bar))/(Xsquared_bar - (
# Notice how the output is very close to our set sl
```

Out[38]:
```
2.0
```