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**OS : Mac**  
**Language version : Python 3.6.2**

### **Lab 03**

#### **Instructions to run the lab03:**

1. Make sure all the files are in one folder.

#### **Steps to execute code not having extra credits.**

2. If you are running the code from terminal please use the following command:

paj1810\_LAB03.py

3. You will get the following output:

Answer : 45

Answer : 240

**Note:** In this program it takes RPN postfix notation as input. And output is the calculated result of the expression.

#### **Steps to execute code having extra credits containing algebraic expression.**

File name is paj1810\_Lab03\_EC.py

1. If you are running the code from terminal please use the following command:

paj1810\_Lab03\_EC.py

2. You will get the following output:

RPN Expression is: ['4', '2', '5', '\*', '+', '2', '5', '\*', '%']

RPN value is: 4

RPN Expression is: ['4', '2', '5', '\*', '+', '1', '3', '2', '\*', '+', '/', '3', '^']

RPN value is: 8

**Note:** In this program it takes algebraic expressions as input and generates RPN result and then evaluate the RPN.

Extra operator that I have used are '^' and '%'.