**16) Compute Electrical current in 3 phase AC circuits**

Voltage in 2 phase in 3-phase circuit PF is typically a decimal no between 0 and 1 → Product of voltage & Current in circuit

**Start**

**Input the line voltage (VL) volts**

**Input the power factor (PF)**

**Input the apparent power, in Volt amperes (VA)**

**Calculate the line Current (IL)**

**IL = S/(√3 \* VL)**

**Calculate the phase current) IP = IL/PE (IP)**

**Display the line current (IL and phase current (IP) in Amperes (A)**

**End**