

### ALGORITHM

To find CPI  $\rightarrow$

find - CPI(n)

// compute CPI by using SPI's

// Input : number of semester  $\rightarrow n$ , SPI of each semester in array SPI[]

// output : CPI

$\rightarrow$  If  $n=0$  return 0

for  $i$  in range 0 to  $n-1$   
     $sum = sum + SPI[i]$

$\rightarrow CPI = sum/n$

$\rightarrow$  Return CPI

To find SPI  $\rightarrow$

find - SPI(n)

// compute SPI by using credits and grade points

// Input : number of subject  $\rightarrow n$ , credit for each subject in array C[], grade for each subject in array g[]

// output : SPI

$\rightarrow$  For  $i$  in range 0 to  $n-1$

$sum = sum + (C[i] * g[i])$

$credit\_sum += C[i]$

$\rightarrow SPI = sum/credit\_sum$

$\rightarrow$  Return SPI