

EMT 101- Engineering Programming Homework 1

1 Tax Calculation (100%)

You are to help a friend to calculate his annual income tax rate by writing a program in C++. Use the following table as your guide to determine your friend's taxes.

SINGLE	MARRIED
income < RM1000, tax = RM 0	income < RM4000, tax =RM 0
income < RM5000, tax = RM 100	income < RM9000, tax =RM 100
income < RM10000, tax = RM 250	income < RM18000, tax =RM 250
income < RM20000, tax = RM 600	income < RM36000, tax =RM 550
income < RM40000, tax = RM 1400	income < RM70000, tax =RM 1300
income < RM60000, tax = RM 2500	income < RM96000, tax =RM 2400
income < RM80000, tax = RM 5000	income < RM120000, tax =RM 4900
income \geq RM80000, tax = RM 10000	income \geq RM120000, tax =RM 9000

Table 1: Tax rate.

Draw a flow chart to show how you would perform the algorithm in your program. Based on your flow chart, write a C++ program to fulfill the task.