

Monday 15 September - Class Session 06

Homework:

Read Budny: Sec 4.6, 4.10

Programming Assignment 3: Due Wednesday 17 September

Class Activities:

1. Workshop 08
2. Workshop 09
3. *Problem Statement:* Your boss at the Internal Revenue Service (IRS) has asked you to develop a program that will determine how much taxes are due based upon a taxpayer's annual salary. The tax due is based upon the following table:

Salary Range, \$	Base Tax, \$	Percentage on Excess, %
0 - 14,999	0	15
15,000 - 29,999	2,250	18
30,000 - 49,999	5,400	22
50,000 - 79,999	11,000	27
80,000 & above	21,600	33

The percentage on excess is to be applied to salary over the minimum in a given range. Total tax is the base tax plus the percentage on excess.

Group assignment: Design and write a MATLAB function that will compute the tax due given the salary.

Turn in:

- 1) a paper copy of your MATLAB function. Be sure that your function has an appropriate header section and variable dictionary.
- 2) a paper copy of a diary file that demonstrates proper operation of your function by determining the tax due for a salary of \$32,000, \$50,000, and \$16,000, in that order.