

## Computer Programming (EE1005)

### Homework #2

(Due: Mar. 25)

3.18: Develop a program that will determine the gross pay for each of several employees. The company pays “straight time” for the first 40 hours worked by each employee and pays “time-and-a-half” for all hours worked in excess of 40 hours. You are given a list of the employees of the company, the number of hours each employee worked last week and the hourly rate of each employee. Your program should input this information for each employee, and should determine and display the employee's gross pay. Here is a sample input/output dialog:

```
Enter # of hours worked (-1 to end): 39
Enter hourly rate of the worker ($00.00): 10.00
Salary is $390.00
```

```
Enter # of hours worked (-1 to end): 41
Enter hourly rate of the worker ($00.00): 10.00
Salary is $415.00
```

```
Enter # of hours worked (-1 to end): -1
```

4.26: Rewrite the program of Fig. 4.7 by replacing the switch statement with a nested *if ... else* statement; be careful to deal with the *default* case properly. Then rewrite this new version by replacing the nested *if ... else* statement with a series of *if* statements; here, too, be careful to deal with the *default* case properly (this is more difficult than in the nested *if ... else* version). This exercise demonstrates that *switch* is a convenience and that any *switch* statement can be written with only single-selection statements.