

## COSC 1336 –Programming Fundamentals I

### Program 4 – Decision Structures

The owners of the Annan Supermarket would like to have a program that computes the weekly gross pay of their employees. The user will enter an employee's ID number, the hourly rate of pay, and the number of hours worked for the week. In addition, Annan Supermarkets would like the program to compute the employee's net pay and overtime pay. **Overtime hours, any hours over 40, are paid at 1.5 the regular hourly rate.** Net pay is Gross minus deductions. Assume that deductions are made up of income tax (at 15% of gross if the gross exceeds \$500.00) and a \$20 parking charge.

The output will look like this:

Program 4

```
ID Number:      --
Pay Rate:       --
Regular Hours:  --
Overtime Hours: --
Total Hours:    --
Regular Pay:    --
Overtime Pay:   --
Gross Pay:      --
Deductions:    --
Net Pay:        --
```

Run your program three times with the data below and copy and paste the outputs to a file. Create a folder named, **fullname\_program4**. Copy your source code and the output file to the folder. Zip the folder and upload it to Blackboard.

#### Run 1

ID Number: 1001  
Hourly rate: 10.00  
Hours worked: 35

#### Run 2

ID Number: 2002  
Hourly rate: 35.50  
Hours worked: 40

#### Run 3

ID Number: 3003  
Hourly rate: 10.50  
Hours worked: 50