

**CISC 2330**  
**Assignment 7 (20 Pts)**

***Due at 10:00 PM Central (MyCampus)***

Topics: C++ Control Structures (Selection):

Calculating Phone Company Bill

A Cellphone company has been struggling to keep track of the services it provides and sending out its customers' bill. It has ask you to write a program that calculates and prints the bills to help with these issues. The company offers regular and premium services to its customers and the rate varies depending on the service.

The rates are computed as follows:

**Regular service:** \$10.00 plus first 50 minutes are free. Charges for over 50 minutes are \$0.20 per a minute

**Premium Service:** \$25.00 plus

- a. For calls made from 6:00 AM to 6:00 PM, the first 75 minutes are free; charges for more than 75 minutes are \$0.10 per a minute.
- b. For calls made from 6:00 PM to 6:00 AM, the first 100 minutes are free; charges for more than 100 minutes are \$0.05 per a minute.

Your program should prompt the user to enter an account number, a **character** service code, and the number of minutes the service was used. A service code of r or R means regular service; a service code of p or P means premium service. Treat any other character as an error. Your program should output the account number, type of service, number of minutes the telephone service was used, and the amount due from the user.

For premium service, the customer may be using the service during the day and night. Therefore, to calculate the bill, you must ask the user to input the number of minutes the service was used during the day and the number of minutes the service was used during the night.

Also for homework, complete exercises 28 (p 248)