

Internet Service Provider (20% of your final grade)

An Internet service provider has three different subscription packages for its customers:

Package A: For \$9.95 per month 10 hours of access are provided. Additional hours are \$2.00 per hour.

Package B: For \$14.95 per month 20 hours of access are provided. Additional hours are \$1.00 per hour.

Package C: For \$19.95 per month unlimited access is provided.

Write a program that calculates a customer's monthly bill. It should ask which package the customer has purchased and how many hours were used. It should display the total amount due.

Input Validation: Be sure the user only selects package A, B, or C. Also, the number of hours used in a month cannot exceed 744.

Variables: You will need a variable to represent each of the data items in the problem.

These would be:

The letter representing the package

The total number of hours

The number of hours minus the hours that are part of a package (never less than 0)

The monthly cost for the selected plan

Make all the variables class variables (define them at the beginning of your class).

Use a separate method for each input

Use a method to calculate the regular monthly charge

Use a method to display the result

All class variable must be declared as private.

All methods other than the constructor, perform and main must also be declared as private.

Please submit this lab by Sunday, July 26th.