

## 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.