

25. Mobile Service Provider

A mobile phone service provider has three different data plans for its customers:

Package A: For \$39.99 per month, 4 gigabytes are provided. Additional data costs \$10 per gigabyte.

Package B: For \$59.99 per month, 8 gigabytes are provided. Additional data costs \$5 per gigabyte.

Package C: For \$69.99 per month, unlimited data is provided.

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

Input Validation: Be sure the user only selects package A, B, or C.