ALGORITHM FOR TAX CALCULATION APPLICATION

Step 1: Start

Step 2: Import the Scanner class from java.util.

Step 3: Create a public class named TaxCalculator.

Step 4: Declare the main method.

Step 5: Create a Scanner object to read input from the user.

Step 6: Display a prompt asking the user to enter their income.

Step 7: Use the scanner.nextDouble() method to read the user's input as a double (income).

Step 8: Call the calculateTax method to compute the tax based on the user's income.

Step 9: Output the user's entered income and the calculated tax.

Step 10: Close the Scanner to release system resources.

Step 11: Create the private method calculateTax that takes income as a parameter and returns the calculated tax.

Step 12: Declare and initialize a variable for tax.

Step 13: Define a tax rate (assuming a flat tax rate for simplicity).

Step 14: Compute the tax by multiplying the income with the tax rate.

Step 15: Return the calculated tax.

Step 16: Close the calculateTax method.

Step 17: Close the main method.

Step 18: Close the TaxCalculator class.

Step 19: End