

Ceylon Electricity Bill Calculator

The Ceylon Electricity Board has a specific tariff plan for domestic electricity consumption. As a software developer, you are tasked with creating a program that calculates the monthly electricity bill based on the number of kilowatt-hours (kWh) consumed.

Tariff Plan

1. If the consumption is between 0-60 kWh per month, the following tariffs will be applicable:
 - For the first 30 kWh, the charge is Rs. 30.00 per kWh with a fixed charge of Rs. 400.00.
 - For the next 30 kWh (31-60), the charge is Rs. 37.00 per kWh with a fixed charge of Rs. 550.00.
2. If the consumption is above 60 kWh per month, the following tariffs will be applicable:
 - For the first 60 kWh, the charge is Rs. 42.00 per kWh with no fixed charge.
 - For 61-90 kWh, the charge is Rs. 42.00 per kWh with a fixed charge of Rs. 650.00.
 - For 91-120 kWh, the charge is Rs. 50.00 per kWh with a fixed charge of Rs. 1500.00.
 - For 121-180 kWh, the charge is Rs. 50.00 per kWh with a fixed charge of Rs. 1500.00.
 - For consumption above 180 kWh, the charge is Rs. 75.00 per kWh with a fixed charge of Rs. 2000.00.

Function Description

Complete the `calculate_ebill` function in the editor below. The function should calculate and return the monthly electricity bill.

`calculate_ebill` has the following parameters:

- `int c`: the monthly consumption in kWh.

Returns

- `int`: the calculated electricity bill in rupees.

Input Format

The input consists of a single integer, `c`, the monthly electricity consumption in kWh.

Constraints

- $0 \leq c \leq 10^6$

Sample Input

Sample Output

Explanation

If the consumption is 45 kWh, the calculation is as follows:

- First 30 kWh: $30 * \text{Rs. } 30 = \text{Rs. } 900$
- Next 15 kWh: $15 * \text{Rs. } 37 = \text{Rs. } 555$
- Fixed charge for 31-60 kWh: Rs. 550
- Total bill = $900 + 555 + 550 = \text{Rs. } 2005$