#include <stdio.h>

int main() {

// Declare variables

int customerID;

char customerName[50];

float unitConsumed, chargesPerUnit, totalBill, surcharge, finalAmount;

// Prompt user for input

printf("Enter Customer ID: ");

scanf("%d", &customerID);

printf("Enter Customer Name: ");

scanf("%s", customerName);

printf("Enter Units Consumed: ");

scanf("%f", &unitConsumed);

// Calculate charges based on units consumed

if (unitConsumed <= 300) {

chargesPerUnit = 175;

} else if (unitConsumed > 300 && unitConsumed < 600) {

chargesPerUnit = 200;

} else if (unitConsumed >= 600 && unitConsumed < 800) {

chargesPerUnit = 300;

} else {

chargesPerUnit = 400;

}

// Calculate total bill

totalBill = unitConsumed \* chargesPerUnit;

// Apply surcharge if bill exceeds Kshs. 500

if (totalBill > 500) {

surcharge = 0.2 \* totalBill;

} else {

surcharge = 0;

}

// Calculate final amount to pay

finalAmount = totalBill + surcharge;

// Ensure the minimum bill is Kshs. 200

if (finalAmount < 200) {

finalAmount = 200;

}

// Display the output

printf("\nCustomer ID: %d\n", customerID);

printf("Customer Name: %s\n", customerName);

printf("Units Consumed: %.2f\n", unitConsumed);

printf("Charges per Unit: Ksh %.2f\n", chargesPerUnit);

printf("Total Bill: Ksh %.2f\n", totalBill);

printf("Surcharge: Ksh %.2f\n", surcharge);

printf("Final Amount to Pay: Ksh %.2f\n", finalAmount);

return 0;

}