Q.WRITE A PROGRAM TO PRINT THE ELECTRICITY BILL FOR TWO TYPES OF USAGE DOMESTIC AND COMMERCIAL.

A. #include <stdio.h>

int main() {

int units;

char type; // 'D' for Domestic, 'C' for Commercial

float bill = 0.0;

printf("Enter units consumed: ");

scanf("%d", &units);

printf("Enter connection type (D for Domestic, C for Commercial): ");

scanf(" %c", &type); // Space before %c to consume newline character

if (type == 'D' || type == 'd') { // Domestic connection

if (units < 100) {

bill = 100.0;

} else if (units >= 100 && units <= 200) {

bill = 100.0 + (units - 100) \* 1.50;

} else if (units > 200 && units <= 300) {

bill = 100.0 + (100 \* 1.50) + (units - 200) \* 3.00;

} else { // units > 300

bill = 100.0 + (100 \* 1.50) + (100 \* 3.00) + (units - 300) \* 5.00;

}

} else if (type == 'C' || type == 'c') { // Commercial connection

if (units < 100) {

bill = 150.0;

} else if (units >= 100 && units <= 200) {

bill = 150.0 + (units - 100) \* 2.50;

bill = 150.0 + (100 \* 2.50) + (units - 200) \* 4.50;

} else { // units > 300

bill = 150.0 + (100 \* 2.50) + (100 \* 4.50) + (units - 300) \* 7.50;

}

else {

printf("Invalid connection type entered.\n");

return 1; // Indicate an error

}

printf("Electricity Bill: Rs. %.2f\n", bill);

return 0; // Indicate successful execution

}

OUTPUT:















