**LAB TASK:**

**Question 1:**

Write a C program that reads a student’s score and classifies it into a grade. The grading scheme is as follows:

* **90-100**: A
* **80-89**: B
* **70-79**: C
* **60-69**: D
* **Below 60**: F

**Question 2:**

Write a C program to input electricity unit charges and calculate the total electricity bill according to the given conditions:

1. For the first 30 units: Rs. 0.60/unit
2. For the next 80 units: Rs. 0.85/unit
3. For the next 100 units: Rs. 1.30/unit
4. For units above 210: Rs. 1.60/unit

An additional surcharge of 15% is added to the bill.

**Question 3:**

An online shopping store is providing discounts on items due to a seasonal sale. If the cost of items is less than 1500, a discount of up to 7% will be applied. If the cost of shopping is between 1500 and 3000, a 12% discount will be applied. For shopping between 3000 and 5000, a 22% discount will be applied. For amounts over 5000, a 30% discount will be applied.

Print the original amount, the amount saved due to the discount, and the amount after applying the discount.

**Question 4:**

Given a positive integer denoting n, do the following:

1. If 1≤n≤20, print the English words corresponding to the numbers (e.g., "one" for 1, "twenty" for 20).
2. If n>20, print "Number greater than 20.

**Question 5:**

Write a C program to display greetings based on the time in a 24-hour format. If the time is:

* **Between 6 and 11** (inclusive of 6 but not 12): Greet with “Good Morning”.
* **Between 12 and 17** (inclusive of 12 but not 18): Greet with “Good Afternoon”.
* **Between 18 and 23** (inclusive of 18 but not 24): Greet with “Good Evening”.
* **Between 0 and 5**: Greet with “Good Night”

**Question 6:**

Write a C program using nested if statements to compare two numbers: if the first number is greater, check if it's over 100 to print "First number is significantly larger" or "First number is larger"; if less, check if it's negative to print "First number is negative and smaller" or "First number is smaller"; if equal, print "Both numbers are equal.

**Question7:**Recreate the following output using Escape sequences (add your roll no. in K24-XXXX):  
A screen shot of a computer

Description automatically generated