1. If a is 15, then what would be the value of: printf("%d",++a); printf("%d",a++); printf("%d",--a); printf("%d",a--); Print the values. [2 marks] 2. Write a C program to find the maximum of three numbers using only the Ternary operator (?:). Sample Input: Input two numbers: 17 -90 12 Sample Output: Max number is 17 [5 Marks] 3. Write a C program to convert the total number of days into years, months, weeks, and days. Sample Input: Enter total number of Days: 890 Sample Output: Years = 2Months = 5Weeks = 1Days = 3[5 marks]

Lo momento,

4. Write a C program to check whether a given year is a leap year or not.

[5 marks]

5. Determine if a number is odd or even using bitwise and(&) operator.

[3 marks]

6. Write a C program to find if the given number is odd and within the range 100 and 200. (hint: use ternary operator and relational operator)

Sample Input 1:

Input a number: 154 Sample Output 1:

False

Sample Input 2:

Input a number: 139 Sample Output 1:

True

[5 marks]

7. Given the meal price (base cost of a meal), tip percent (the percentage of the meal price being added as tip), and tax percent (the percentage of the meal price being added as tax) for a meal, find and print the meal's total cost. Round the result to the nearest integer.

Example

$$meal_cost = 100$$

$$tip_percent = 15$$

$$tax_percent = 8$$

A tip of 15% * 100 = 15, and the taxes are 8% * 100 = 8. Print the value 123.

[5 marks]