



Assignment - 02

Application Laboratory

Instructions

time: 30 minutes

- Do the following questions using LibreOffice Calc.
- Write the answers to the question and take the necessary screenshots for proof.
- Create a PDF file that includes screenshots and answers.
- Create two different spreadsheets.
- Rename the file using your temporary index number (Eg. 230011.pdf) and upload it in the given link.

Task 1: Employee Performance Tracker

You are required to create an employee performance tracker using LibreOffice Calc.

Employee Name	Sales	Projects	Attendance	Teamwork	Innovation
Employee A	85	90	88	92	80
Employee B	70	65	75	68	72
Employee C	95	92	94	90	96
Employee D	60	55	65	62	58
Employee E	82	84	78	85	80

1. Calculate the Total Score for each employee by adding a column named "Total" using the SUM() function.
2. Find the Best Performance Area for each employee by adding a column named "Top Skill Score" using the MAX() function.

3. Determine if the Employee is Eligible for Bonus using a column named “Bonus Eligibility”. Use the IF() function:
 - Eligible if total score ≥ 400
 - Not Eligible otherwise

Task 2: Car Loan Repayment Calculator

1. Design a Car Loan Repayment Calculator by creating input fields at the top of your sheet for:
Car Price (P): Total loan amount.
Annual Interest Rate (R): Interest percentage charged yearly. Example: 8%.
Loan Tenure (N): Duration of the loan in years. Example: 4 years.
2. Calculate the Monthly Interest Rate in a separate cell using:
$$= \text{Annual Rate} / 12 / 100$$
3. Calculate the Total Number of Payments using:
$$= \text{Loan Tenure} \times 12$$
4. Calculate the Monthly EMI using:
$$= P * R * (1 + R)^N / ((1 + R)^N - 1)$$
5. Calculate the Total Payment using:
$$= \text{EMI} \times \text{Total Payments}$$
6. Calculate the Total Interest using:
$$= \text{Total Payment} - \text{Principal}$$