

IICT

Lab 05

Practice Tasks

Task 1 – Using COUNTIF

Create 10 students list and assign them random marks out of 100 and then count how many students:

1. Scored above 80.
 2. Failed (marks < 40).
 3. Got exactly 100.
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Task 2 – Using SUMIF

You have a sales table:

Product Salesperson Sales Amount

Laptop	Ali	50000
Mobile	Sara	30000
Laptop	Ali	40000
Tablet	Ahmed	15000

1. Find the **total sales made by Ali**.
 2. Find the **total sales for Laptops only**.
 3. Find the **total sales made by Sara if sales > 20000**.
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Task 3 – Using VLOOKUP

You have the following table of **Employee IDs and Departments**:

ID Name Department

101 Ahmed HR

ID Name Department

102 Sara IT

103 Ali Finance

104 Ayesha Marketing

1. Write a formula to **find the Department of ID = 103**.
 2. If you type an employee ID in cell **F2**, use `VLOOKUP` to display the **Name**.
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Task 4 – Using IF

You have student marks in column **B**. Write formulas to:

1. If marks $\geq 50 \rightarrow$ “Pass”, otherwise “Fail”.
 2. If marks $\geq 80 \rightarrow$ “A”, $\geq 60 \rightarrow$ “B”, otherwise “C”.
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Task 5 – Nested IF with AND/OR

You are grading students based on marks in **Math (B)** and **English (C)**:

Student Math English

Ali 85 70

Sara 40 60

Ahmed 75 35

Ayesha 90 88

1. If **Math ≥ 50 AND English ≥ 50** \rightarrow “Pass”, otherwise “Fail”.
2. If **Math ≥ 80 OR English ≥ 80** \rightarrow “Scholarship Eligible”, otherwise “Not Eligible”.
3. Give a grade system:
 - If both $\geq 80 \rightarrow$ “Excellent”
 - If both $\geq 50 \rightarrow$ “Good”
 - Else \rightarrow “Needs Improvement”