

1. Write a formula to check if the marks in cell B2 are greater than or equal to 40. If yes, return "Pass" otherwise "Fail".

Student	Marks	Result Formula			
Riya	45	Pass			
Siya	72	Pass			
Raju	55	Pass			
Rahul	80	Pass			
Ram	30	Fail			

2. A company gives a bonus if sales are above 40,000 and attendance is greater than or equal to 90%. Write a formula to calculate whether the employee will get a bonus or not

Employee	Sales	Attendance	Result		
Arjun	55000	95%	Bonus		
Simran	65000	85%	No Bonus		
Rohit	30000	90%	No Bonus		
Anjali	25000	65%	No Bonus		

3. Write a nested IF formula:
If marks in areB2 \geq 90 \rightarrow "A", \geq 75 \rightarrow "B", \geq 50 \rightarrow "C", otherwise "F" .

Student	Marks	Result			
Raj	85	C			
Neha	96	A			
Vivek	57	C			
Rani	92	A			
Sneha	45	FAIL			

4. Find the Department of Employee ID = E103. Also explain which LOOKUP function is used and why?

Ans -> VLOOKUP is used to search a value from the first column of a table and return a matching value from another column.

Employee ID	Name	Department
E101	Raju	IT
E102	Riya	HR
E103	Roshni	Finance
E104	Sejal	Sales
LOOKUP	Finance	

5. A company has set the following commission structure for its sales team: If a salesperson achieves sales of ₹45,000, use the VLOOKUP function to determine the commission rate applicable.

Sales Amount	Commission
0	5%
20,000	10%
50,000	15%
80,000	20%
VLOOKUP	10%

6. The HR department maintains the following leave records of employees: onus or not . Write an IF function to
If Leaves Taken > Allowed Leaves, display "Exceeded".
Otherwise, display "OK"

Employee	Leaves Taken	Leaves Allowed	status
Alex	10	10	OK
Bob	8	12	OK
Anna	15	12	Exceeded

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7. Find the salary of EmpID = E105 using INDEX-MATCH Function.

EmpID	Salary			
E104	55,000		INDEX_MATCH	72,000
E105	72,000			
E106	62,000			
E102	41,000			

8. Use the XLOOKUP function to find the Department of the employee with Emp ID = E303.

EmpID	Department				
E101	HR				
E303	IT				
E106	Sales				
E301	Finance				
XLOOKUP	IT				