ASSINGMENT NAME -: LOGICAL FUNCTION AND LOOKUP

write a formula to check if the marks in cell B2 Are greter than or equal to 40 , if yes, return ,"pass" otherwise fail

STUDENTS NAME	MARKS
RIYA	45
SIYA	72
RAJU	55
RAHUL	80
RAM	30

ANSWER-: USEING THE IF FUNCTION

STUDENTS NAME	MARKS	PASS OR FAIL
RIYA	45	pass
SIYA	72	pass
RAJU	55	pass
RAHUL	80	pass
RAM	30	fail

A Company give a bonus if sale 40000 and attendance is greter than or equal to 90%

Write the formula to calculate whether the employe will get a bonus or not

Employee	sales	attendance
Arjun	55000	95
Simran	65000	85
Rohit	30000	90
Anjali	25000	65

ANSWER -:

USING IF FUNCTIONS

Employee	Sales	Attendance	Bonus or not
Arjun	55000	95	Bonus
Simran	65000	85	No Bonus
Rohit	30000	90	No Bonus
Anjali	25000	65	No Bonus

QUESTIION 3

Write a Nasted if formula : if Marks in B2 are
≥ 90 → "A", ≥ 75 → "B" , ≥ 50 → "C", otherwise "Fail".

ANSWER

Student Name	Marks	Result
Raj	85	B
Neha	96	A
Vivek	57	c
Rani	92	A
sneha	75	B

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

ANSWER

EmpID	Name	Department	Result
E101	Raju	IT	Finance
E102	Riya	HR	
E103	Roshni	Finance	
E104	Sejal	Sales	

Ans. The Department of EmpID E103 is Finance

Explaination. We used VLOOKUP function , because this funtion work for vertically arrange data and we are searching a vertical value.

QUESTION 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.

ANSWER

Sales Amount	Commission Rate	Result
0	5%	10%
20000	10%	
50000	15%	
80000	20%	

Ans. **Commission rate = 10%**

The HR department maintains the following leave records of employees: write an IF function to check whether an employee has Exceeded their allowed leave balance. If Leaves Taken > Allowed Leaves, display "Exceeded". Otherwise, display "OK".

ANSWER

Employee N	Leaves Taken	Leaves Allowed	RESULT
Alex	10	12	OK
Bob	10	15	OK
Anna	8	12	OK

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

EmpID	Salary	Result
E104	55000	72000
E105	72000	
E106	62000	
E104	41000	

Ans.   **Salary of EmpID - E105 = 72000**

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

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

Ans.   **Emp ID - 303 - IT Department**