LAB ASSIGNMENT – 1

Q.1.:- Use the IF function to evaluate whether each product met its sales target.

ANS. =IF(C15>=D15,"YES","NO")

Product ID	Product	Sales	Target	Region	Question.1
101	Product A	120	150	North	NO
102	Product B	150	140	South	YES
103	Product C	200	200	East	YES
104	Product D	90	100	West	NO
105	Product E	220	210	North	YES
106	Product F	130	160	South	NO

Q.2.:- Use the IF function to determine if a product is eligible for a regional bonus. Products in the "North" region with sales over 200 are eligible.

ANS. =IF(AND(E15="North", C15>200), "Eligible", "Not Eligible")

Product ID	Product	Sales	Target	Region	Question.2
101	Product A	120	150	North	Not Eligible
102	Product B	150	140	South	Not Eligible
103	Product C	200	200	East	Not Eligible
104	Product D	90	100	West	Not Eligible
105	Product E	220	210	North	Eligible
106	Product F	130	160	South	Not Eligible

Q.3.:- Use nested IF functions to assign a commission rate based on sales. Sales >= 200 get a 10% commission, sales >= 150 get a 7% commission, and others get a 5% commission.

ANS. =IF(C15 >= 200, "10%", IF(C15 >= 150, "7%", "5%"))

Product ID	Product	Sales	Target	Region	QUESTION 3.
101	Product A	120	150	North	5%
102	Product B	150	140	South	7%
103	Product C	200	200	East	10%
104	Product D	90	100	West	5%
105	Product E	220	210	North	10%
106	Product F	130	160	South	5%

Q.4.:- Use the IF function to calculate a bonus amount. If sales met or exceeded the target, the bonus is 10% of the sales; otherwise, it's 5%.

ANS. =IF(C15 >= D15,"10%","5%")

Product ID	Product	Sales	Target	Region	Question.4
101	Product A	120	150	North	5%
102	Product B	150	140	South	10%
103	Product C	200	200	East	10%
104	Product D	90	100	West	5%
105	Product E	220	210	North	10%
106	Product F	130	160	South	5%

Q.5:- Use the IF function to categorize sales performance as "Excellent" (>=200), "Good" (>=150), or "Needs Improvement" (<150).

ANS. =IF(C15 >= 200, "Excellent", IF(C15>= 150, "Good", "Needs Improvement"))

Product ID	Product	Sales	Target	Region	Question.5
101	Product A	120	150	North	Needs Improvement
102	Product B	150	140	South	Good
103	Product C	200	200	East	Excellent
104	Product D	90	100	West	Needs Improvement
105	Product E	220	210	North	Excellent
106	Product F	130	160	South	Needs Improvement