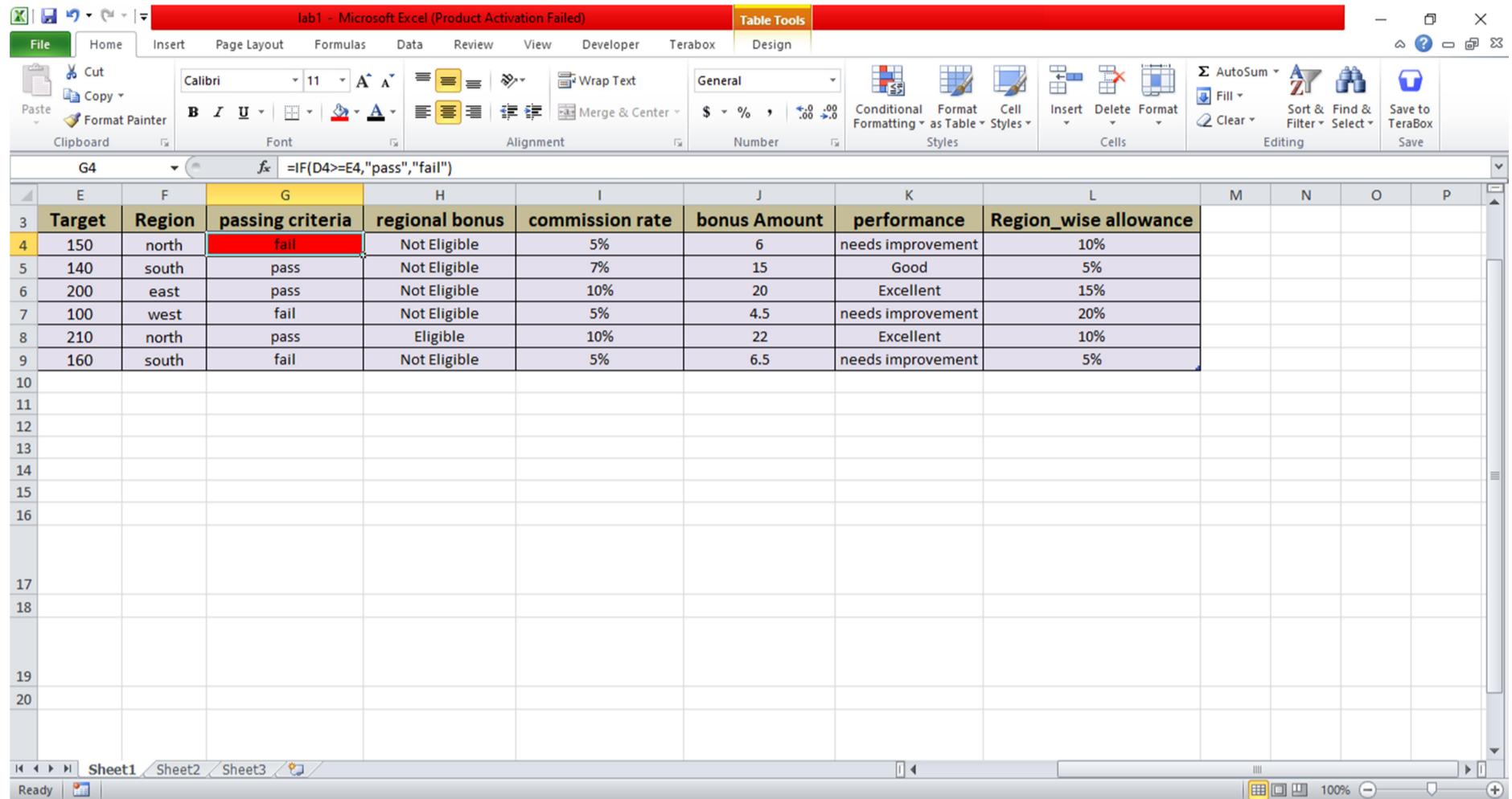


# Lab Assignment 1

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

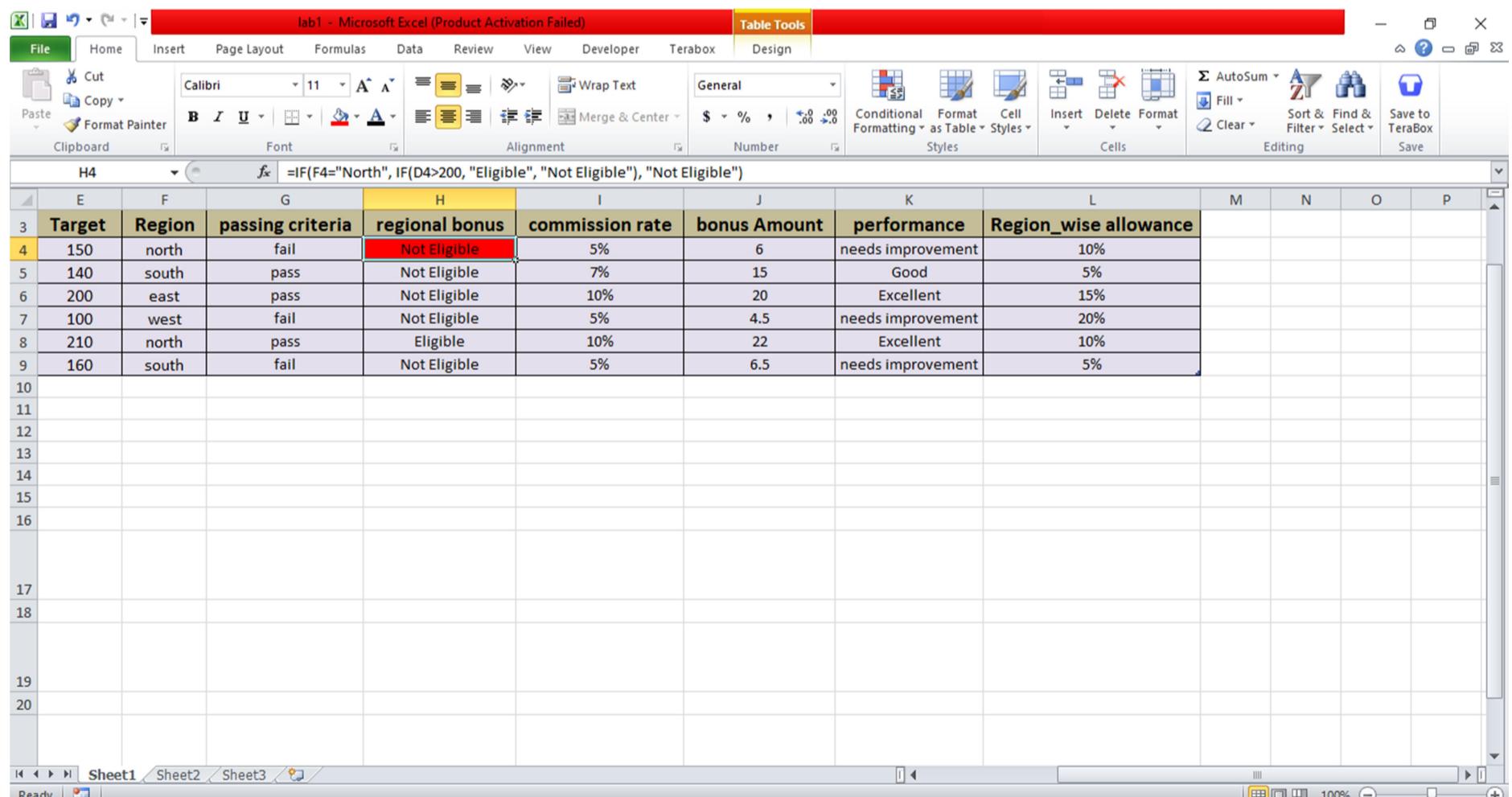
Ans. =IF(D4>=E4,"pass","fail")



E	F	G	H	I	J	K	L	
3	Target	Region	passing criteria	regional bonus	commission rate	bonus Amount	performance	Region_wise allowance
4	150	north	fail	Not Eligible	5%	6	needs improvement	10%
5	140	south	pass	Not Eligible	7%	15	Good	5%
6	200	east	pass	Not Eligible	10%	20	Excellent	15%
7	100	west	fail	Not Eligible	5%	4.5	needs improvement	20%
8	210	north	pass	Eligible	10%	22	Excellent	10%
9	160	south	fail	Not Eligible	5%	6.5	needs improvement	5%

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(F4="North", IF(D4>200, "Eligible", "Not Eligible"), "Not Eligible")



E	F	G	H	I	J	K	L	
3	Target	Region	passing criteria	regional bonus	commission rate	bonus Amount	performance	Region_wise allowance
4	150	north	fail	Not Eligible	5%	6	needs improvement	10%
5	140	south	pass	Not Eligible	7%	15	Good	5%
6	200	east	pass	Not Eligible	10%	20	Excellent	15%
7	100	west	fail	Not Eligible	5%	4.5	needs improvement	20%
8	210	north	pass	Eligible	10%	22	Excellent	10%
9	160	south	fail	Not Eligible	5%	6.5	needs improvement	5%

3. Use nested IF functions to assign a commission rate based on sales. Sales  $\geq 200$  get a 10% commission, sales  $\geq 150$  get a 7% commission, and others get a 5% commission.

Ans. =IF(D4>=200,10%,IF(D4>=150,7%,5%))

lab1 - Microsoft Excel (Product Activation Failed)

Table Tools

File Home Insert Page Layout Formulas Data Review View Developer Terabox Design

Font Alignment Number Styles Cells Editing

I4 =IF(D4>=200,10%,IF(D4>=150,7%,5%))

	E	F	G	H	I	J	K	L	M	N	O	P
3	Target	Region	passing criteria	regional bonus	commission rate	bonus Amount	performance	Region_wise allowance				
4	150	north	fail	Not Eligible	5%	6	needs improvement	10%				
5	140	south	pass	Not Eligible	7%	15	Good	5%				
6	200	east	pass	Not Eligible	10%	20	Excellent	15%				
7	100	west	fail	Not Eligible	5%	4.5	needs improvement	20%				
8	210	north	pass	Eligible	10%	22	Excellent	10%				
9	160	south	fail	Not Eligible	5%	6.5	needs improvement	5%				
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

Sheet1 Sheet2 Sheet3

Ready 100%

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(D4 >= E4, D4 \* 0.1, D4 \* 0.05)

lab1 - Microsoft Excel (Product Activation Failed)

Table Tools

File Home Insert Page Layout Formulas Data Review View Developer Terabox Design

Font Alignment Number Styles Cells Editing

J4 =IF(D4 >= E4, D4 \* 0.1, D4 \* 0.05)

	E	F	G	H	I	J	K	L	M	N	O	P
3	Target	Region	passing criteria	regional bonus	commission rate	bonus Amount	performance	Region_wise allowance				
4	150	north	fail	Not Eligible	5%	6	needs improvement	10%				
5	140	south	pass	Not Eligible	7%	15	Good	5%				
6	200	east	pass	Not Eligible	10%	20	Excellent	15%				
7	100	west	fail	Not Eligible	5%	4.5	needs improvement	20%				
8	210	north	pass	Eligible	10%	22	Excellent	10%				
9	160	south	fail	Not Eligible	5%	6.5	needs improvement	5%				
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

Sheet1 Sheet2 Sheet3

Ready 100%

5. Use the IF function to categorize sales performance as "Excellent" ( $\geq 200$ ), "Good" ( $\geq 150$ ), or "Needs Improvement" ( $< 150$ ).

Ans. =IF(D4>=200,"Excellent",IF(D4>=150,"Good","needs improvement"))

lab1 - Microsoft Excel (Product Activation Failed)

**Table Tools**

**Home**

**Font**: Calibri, 11pt, A<sup>+</sup>, A<sup>-</sup>, Wrap Text, General, Conditional Formatting, Insert, AutoSum.

**Clipboard**: Cut, Copy, Paste, Format Painter.

**Font**: Font: Calibri, Size: 11, Bold, Italic, Underline, Alignment: Merge & Center, Number: \$ % , .00 .00, Styles: Cell Styles, Cells: Insert, Delete, Format.

**Editing**: AutoSum, Fill, Clear, Sort & Filter, Find & Select, Save to Terabox.

**Table Structure** (K4 formula): =IF(D4>=200,"Excellent",IF(D4>=150,"Good","needs improvement"))

**Data** (Table Headers and Data):

	E	F	G	H	I	J	K	L	M	N	O	P
3	Target	Region	passing criteria	regional bonus	commission rate	bonus Amount	performance	Region_wise allowance				
4	150	north	fail	Not Eligible	5%	6	needs improvement	10%				
5	140	south	pass	Not Eligible	7%	15	Good	5%				
6	200	east	pass	Not Eligible	10%	20	Excellent	15%				
7	100	west	fail	Not Eligible	5%	4.5	needs improvement	20%				
8	210	north	pass	Eligible	10%	22	Excellent	10%				
9	160	south	fail	Not Eligible	5%	6.5	needs improvement	5%				
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

**Sheet Selection**: Sheet1, Sheet2, Sheet3.