

TP 07

Exercise 1: "IF" function

In this exercise you have two tables to complete.

- In the first table you must calculate the commission from each seller. For this, you will write in cell " C4 " the function that corresponds to the following algorithm and you have it copied to the low for cells (C5:C11).

```

If CA>2500 Then ____
    Commission ← CA*10%
Otherwise
    Commission ← 0
End if
    
```

- In the second table you will have to write a function that finds the best seller.
 - In cell " B23 " calculate the **MAX** of CA (turnover figures).
 - Give the name " maximum " to cell **B23**.
 - In cell " C18 " write the function that corresponds to the following algorithm and copy it down to cells (B19:B22).

```

If CA = maximum then ____
    Write "Winner"
Otherwise
    To write ""
End if
    
```

	A	B	C
1	Commissions sur ventes		
2			
3	Vendeurs	CA	Commissions
4	vendeur1	1 000,00 €	- €
5	vendeur2	1 200,00 €	- €
6	vendeur3	5 000,00 €	500,00 €
7	vendeur4	3 200,00 €	320,00 €
8	vendeur5	2 500,00 €	- €
9	vendeur6	950,00 €	- €
10	vendeur7	4 800,00 €	480,00 €
11	vendeur8	1 800,00 €	- €
12			
13			
14			
15	Gagnant concours		
16			
17	Vendeurs	CA	Résultat
18	vendeurs1	550,00 €	
19	vendeurs2	800,00 €	
20	vendeurs3	1 200,00 €	
21	vendeurs4	450,00 €	
22	vendeurs5	1 300,00 €	Gagnant
23	maximum	1 300,00 €	

Exercise 2: If Nested In this

exercise you have 7 product lists. You will have to find the unit price of each list based on the quantity purchased. Write the nested IF function that corresponds to the following algorithm in cell C4 and copy it down to cells (C5:C10).

```

If Qty < 25 Then ____
    Price ← 5,00
Otherwise If Qty > 50 Then ____
    Price ← 2,00
Otherwise
    Price ← 3,00
End if
End if
    
```

	A	B	C
1	Quantité en gros		
2			
3	Produits	Qté	Prix
4	P1	10	5,00 €
5	P2	25	3,00 €
6	P3	55	2,00 €
7	P4	100	2,00 €
8	P5	20	5,00 €
9	P6	30	3,00 €
10	P7	45	3,00 €

Exercise 3: Logical "AND" function

In this exercise you will have to find among a list of 8 people those who deserve a raise.

Write the following function in cell " E4 " and copy it down to the cells (E5:E11).

E4=ET (Salary < 900; seniority >=3; Points>50).

Note : This function is a compound condition.

	A	B	C	D	E
1	augmentation salaire				
2					
3	noms	salaire	ancienneté	points	Augmentation
4	pers1	835	5	51	VRAI
5	pers2	900	12	45	FAUX
6	pers3	850	5	52	VRAI
7	pers4	910	4	50	FAUX
8	pers5	850	3	56	VRAI
9	pers6	950	10	54	FAUX
10	pers7	800	7	49	FAUX
11	pers8	785	2	48	FAUX

Exercise 4: IF AND

In this exercise you will use the " IF " function with an " AND " compound condition . This exercise is similar to the previous exercise, except this time you will calculate the raise for the people who deserve the raise. To do this, write the function that corresponds to the following algorithm in cell " E4 " and copy it down to the cells (E5:E11).

```

if(Salary <900 and seniority >=3 and points>50 Then _____
    Salary Increase ← 105
Otherwise Increase ← 0
Endi
    
```

	A	B	C	D	E
1	augmentation salaire				
2					
3	noms	salaire	ancienneté	points	Augmentation
4	pers1	835	5	51	876,75 €
5	pers2	900	12	45	- €
6	pers3	850	5	52	892,50 €
7	pers4	910	4	50	- €
8	pers5	850	3	56	892,50 €
9	pers6	950	10	54	- €
10	pers7	800	7	49	- €
11	pers8	785	2	48	- €

Exercise 5: NBSI

In cell "F4" you will calculate the number of amounts that are greater than 1000.

Give the name amount to the range (D2:D27).

Write the following function in " F4 ".

F4=NBSI(amount; ">1000")

In cell " F13" calculate the average of the amounts.

In cell " F5" calculate the number of amounts that are greater than the average " F13 ".

	A	B	C	D	E	F	G
1	Mois	Vendeur	Type	Montant			
2	Janvier	Alani	Nouveau	85,00 €			
3	Janvier	Alani	Nouveau	675,00 €			
4	Janvier	Bertrand	Nouveau	130,00 €			
5	Janvier	Charlie	Nouveau	1 350,00 €			
6	Janvier	Charlie	Existant	685,00 €			
7	Janvier	Bertrand	Nouveau	1 350,00 €			
8	Janvier	Charlie	Nouveau	475,00 €			
9	Janvier	Bertrand	Nouveau	1 205,00 €			
10	Février	Bertrand	Existant	450,00 €			
11	Février	Alani	Nouveau	495,00 €			
12	Février	Charlie	Nouveau	210,00 €			
13	Février	Charlie	Existant	1 050,00 €			
14	Février	Alani	Nouveau	140,00 €			
15	Février	Bertrand	Nouveau	900,00 €			
16	Février	Bertrand	Nouveau	900,00 €			
17	Février	Charlie	Nouveau	95,00 €			
						4	Nombre de Montant > 1000
						13	Nombre de Montant > moyenne
						594,12 €	moyenne des Montants