Name: Khizar Ali

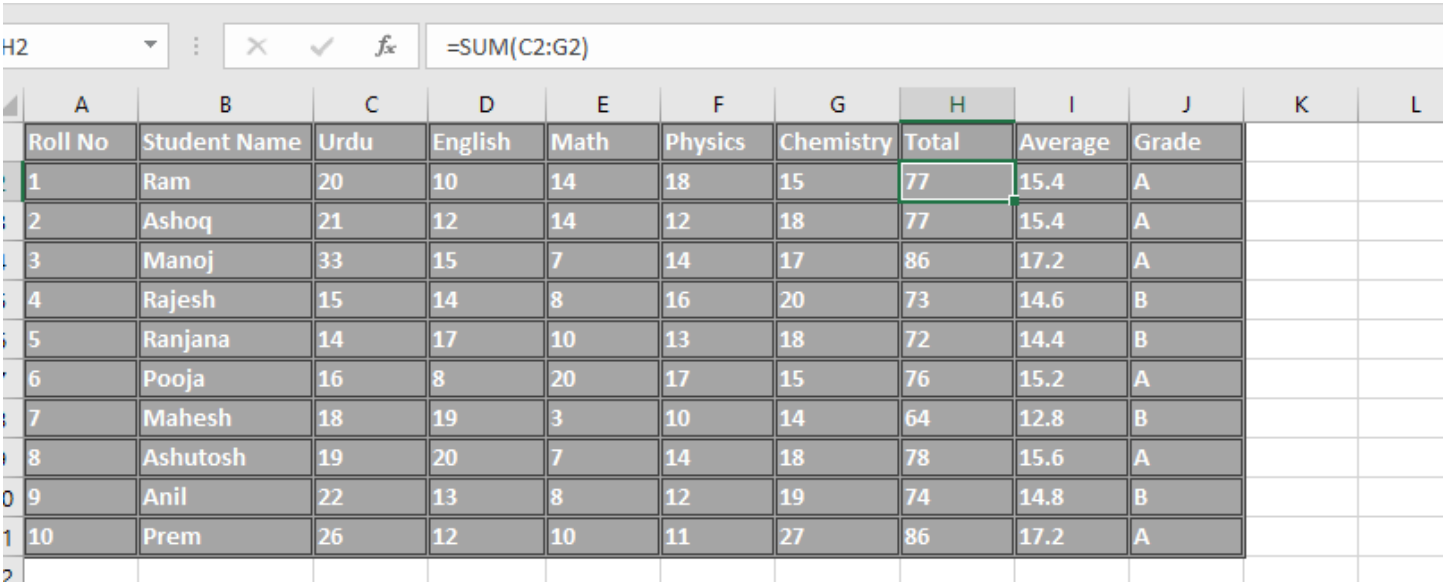
Roll No: 22P-9269

Subject: ICT Lab

Submitted to: Muhammad Ahsan

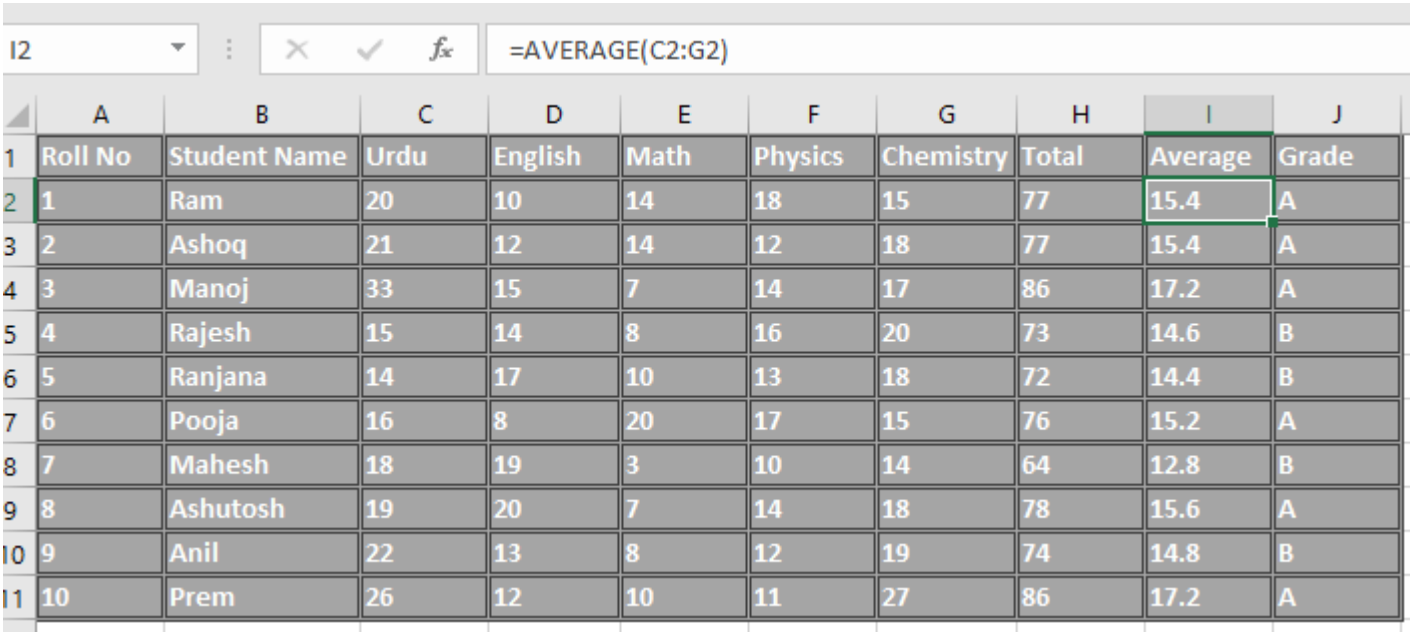
Task 1:

- Find Total



Roll No	Student Name	Urdu	English	Math	Physics	Chemistry	Total	Average	Grade
1	Ram	20	10	14	18	15	77	15.4	A
2	Ashoq	21	12	14	12	18	77	15.4	A
3	Manoj	33	15	7	14	17	86	17.2	A
4	Rajesh	15	14	8	16	20	73	14.6	B
5	Ranjana	14	17	10	13	18	72	14.4	B
6	Pooja	16	8	20	17	15	76	15.2	A
7	Mahesh	18	19	3	10	14	64	12.8	B
8	Ashutosh	19	20	7	14	18	78	15.6	A
9	Anil	22	13	8	12	19	74	14.8	B
10	Prem	26	12	10	11	27	86	17.2	A

- Find average



Roll No	Student Name	Urdu	English	Math	Physics	Chemistry	Total	Average	Grade
1	Ram	20	10	14	18	15	77	15.4	A
2	Ashoq	21	12	14	12	18	77	15.4	A
3	Manoj	33	15	7	14	17	86	17.2	A
4	Rajesh	15	14	8	16	20	73	14.6	B
5	Ranjana	14	17	10	13	18	72	14.4	B
6	Pooja	16	8	20	17	15	76	15.2	A
7	Mahesh	18	19	3	10	14	64	12.8	B
8	Ashutosh	19	20	7	14	18	78	15.6	A
9	Anil	22	13	8	12	19	74	14.8	B
10	Prem	26	12	10	11	27	86	17.2	A

- Find grades

J2 =IF(I2>15,"A","B")

	A	B	C	D	E	F	G	H	I	J
	Roll No	Student Name	Urdu	English	Math	Physics	Chemistry	Total	Average	Grade
2	1	Ram	20	10	14	18	15	77	15.4	A
3	2	Ashoq	21	12	14	12	18	77	15.4	A
4	3	Manoj	33	15	7	14	17	86	17.2	A
5	4	Rajesh	15	14	8	16	20	73	14.6	B
6	5	Ranjana	14	17	10	13	18	72	14.4	B
7	6	Pooja	16	8	20	17	15	76	15.2	A
8	7	Mahesh	18	19	3	10	14	64	12.8	B
9	8	Ashutosh	19	20	7	14	18	78	15.6	A
10	9	Anil	22	13	8	12	19	74	14.8	B
11	10	Prem	26	12	10	11	27	86	17.2	A

- Number of Students got A & B

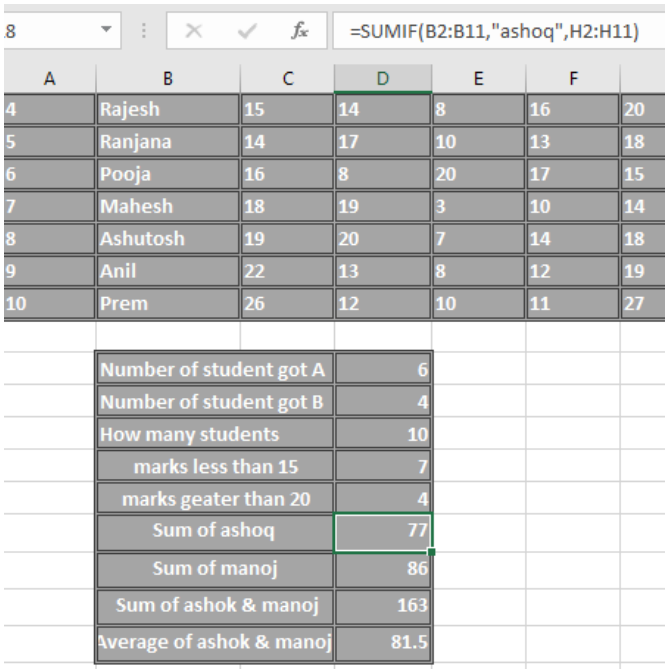
D13 =COUNTIF(J2:J11,"A")

	A	B	C	D	E	F
5	4	Rajesh	15	14	8	16
6	5	Ranjana	14	17	10	13
7	6	Pooja	16	8	20	17
8	7	Mahesh	18	19	3	10
9	8	Ashutosh	19	20	7	14
10	9	Anil	22	13	8	12
11	10	Prem	26	12	10	11
12						
13		Number of student got A		6		

D14 =COUNTIF(J3:J12,"B")

	A	B	C	D	E	F
5	4	Rajesh	15	14	8	16
6	5	Ranjana	14	17	10	13
7	6	Pooja	16	8	20	17
8	7	Mahesh	18	19	3	10
9	8	Ashutosh	19	20	7	14
10	9	Anil	22	13	8	12
11	10	Prem	26	12	10	11
12						
13		Number of student got A		6		
14		Number of student got B		4		

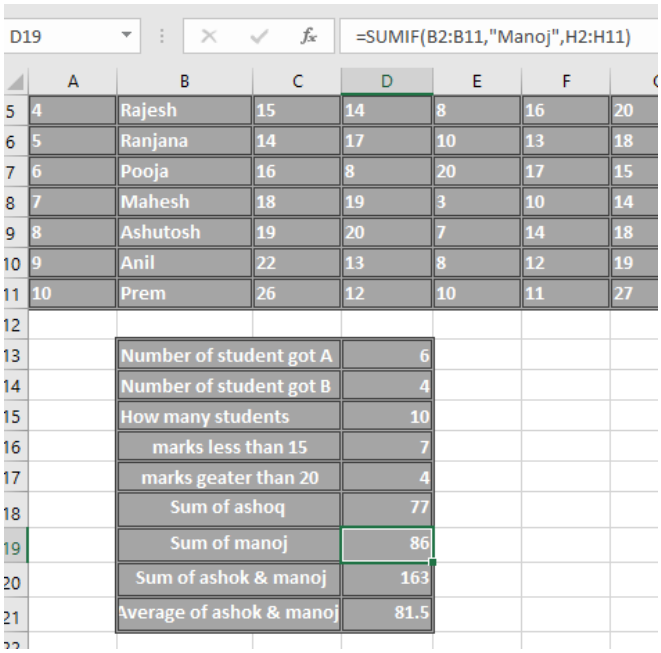
- Sum and averge of ashok and manoj



=SUMIF(B2:B11,"ashoq",H2:H11)

	A	B	C	D	E	F
4		Rajesh	15	14	8	16
5		Ranjana	14	17	10	13
6		Pooja	16	8	20	17
7		Mahesh	18	19	3	10
8		Ashutosh	19	20	7	14
9		Anil	22	13	8	12
10		Prem	26	12	10	11

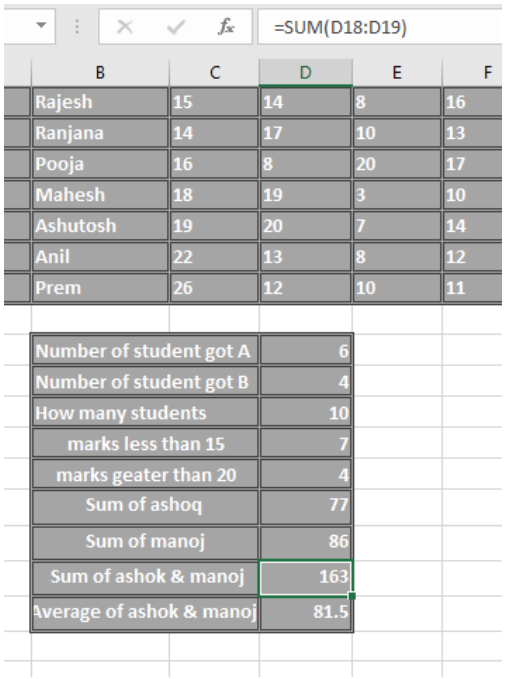
Number of student got A	6
Number of student got B	4
How many students	10
marks less than 15	7
marks geater than 20	4
Sum of ashoq	77
Sum of manoj	86
Sum of ashok & manoj	163
Average of ashok & manoj	81.5



=SUMIF(B2:B11,"Manoj",H2:H11)

	A	B	C	D	E	F
5	4	Rajesh	15	14	8	16
6	5	Ranjana	14	17	10	13
7	6	Pooja	16	8	20	17
8	7	Mahesh	18	19	3	10
9	8	Ashutosh	19	20	7	14
10	9	Anil	22	13	8	12
11	10	Prem	26	12	10	11

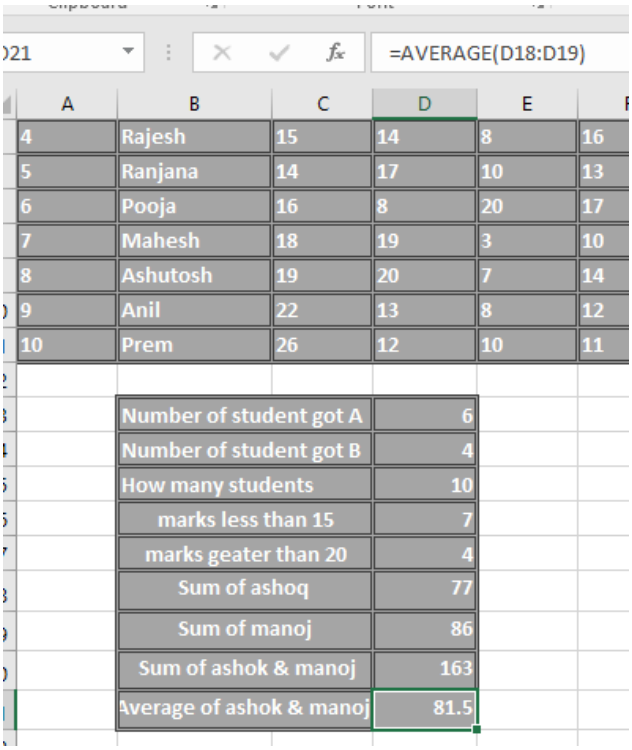
Number of student got A	6
Number of student got B	4
How many students	10
marks less than 15	7
marks geater than 20	4
Sum of ashoq	77
Sum of manoj	86
Sum of ashok & manoj	163
Average of ashok & manoj	81.5



=SUM(D18:D19)

	B	C	D	E	F
	Rajesh	15	14	8	16
	Ranjana	14	17	10	13
	Pooja	16	8	20	17
	Mahesh	18	19	3	10
	Ashutosh	19	20	7	14
	Anil	22	13	8	12
	Prem	26	12	10	11

Number of student got A	6
Number of student got B	4
How many students	10
marks less than 15	7
marks geater than 20	4
Sum of ashoq	77
Sum of manoj	86
Sum of ashok & manoj	163
Average of ashok & manoj	81.5



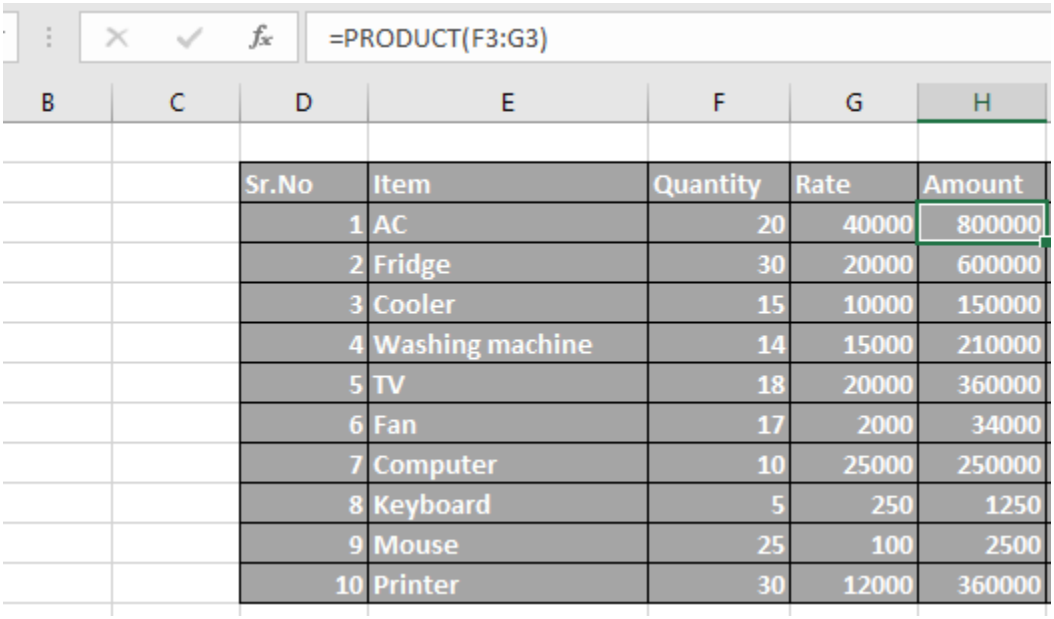
=AVERAGE(D18:D19)

	A	B	C	D	E	F
	4	Rajesh	15	14	8	16
	5	Ranjana	14	17	10	13
	6	Pooja	16	8	20	17
	7	Mahesh	18	19	3	10
	8	Ashutosh	19	20	7	14
	9	Anil	22	13	8	12
	10	Prem	26	12	10	11

Number of student got A	6
Number of student got B	4
How many students	10
marks less than 15	7
marks geater than 20	4
Sum of ashoq	77
Sum of manoj	86
Sum of ashok & manoj	163
Average of ashok & manoj	81.5

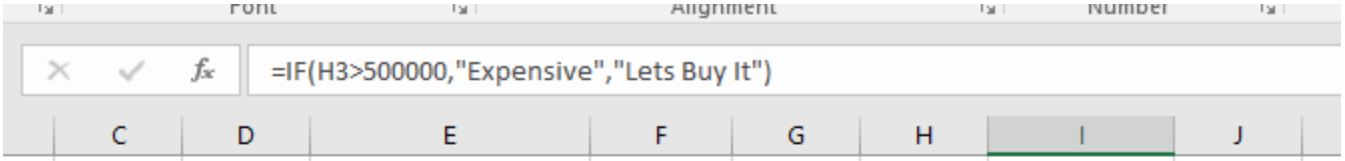
TASK 2:

- Finding amount



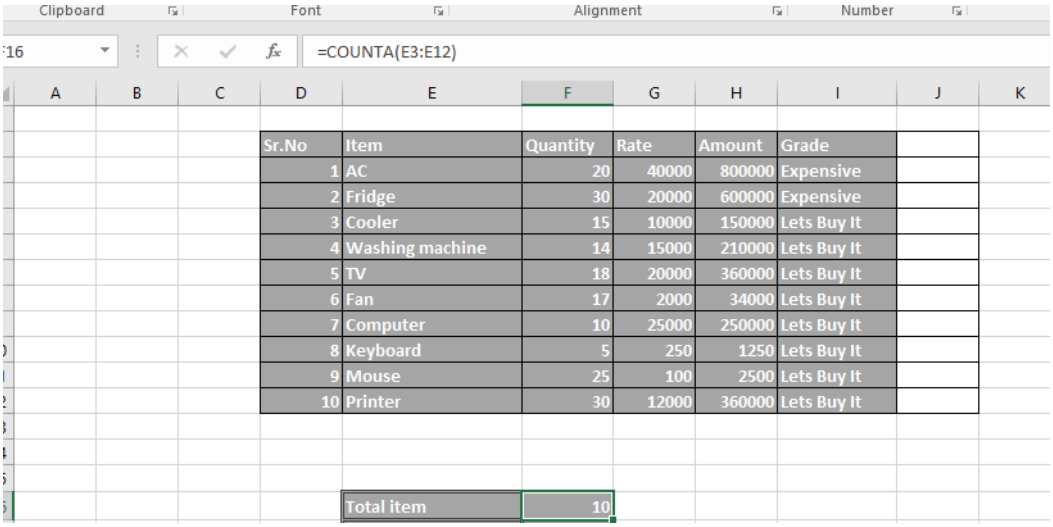
Sr.No	Item	Quantity	Rate	Amount
1	AC	20	40000	800000
2	Fridge	30	20000	600000
3	Cooler	15	10000	150000
4	Washing machine	14	15000	210000
5	TV	18	20000	360000
6	Fan	17	2000	34000
7	Computer	10	25000	250000
8	Keyboard	5	250	1250
9	Mouse	25	100	2500
10	Printer	30	12000	360000

- **Finding Gardes**



Sr.No	Item	Quantity	Rate	Amount	Grade
1	AC	20	40000	800000	Expensive
2	Fridge	30	20000	600000	Expensive
3	Cooler	15	10000	150000	Lets Buy It
4	Washing machine	14	15000	210000	Lets Buy It
5	TV	18	20000	360000	Lets Buy It
6	Fan	17	2000	34000	Lets Buy It
7	Computer	10	25000	250000	Lets Buy It
8	Keyboard	5	250	1250	Lets Buy It
9	Mouse	25	100	2500	Lets Buy It
10	Printer	30	12000	360000	Lets Buy It

- Finding Total Quantity, item greater than 20 , item less than 20



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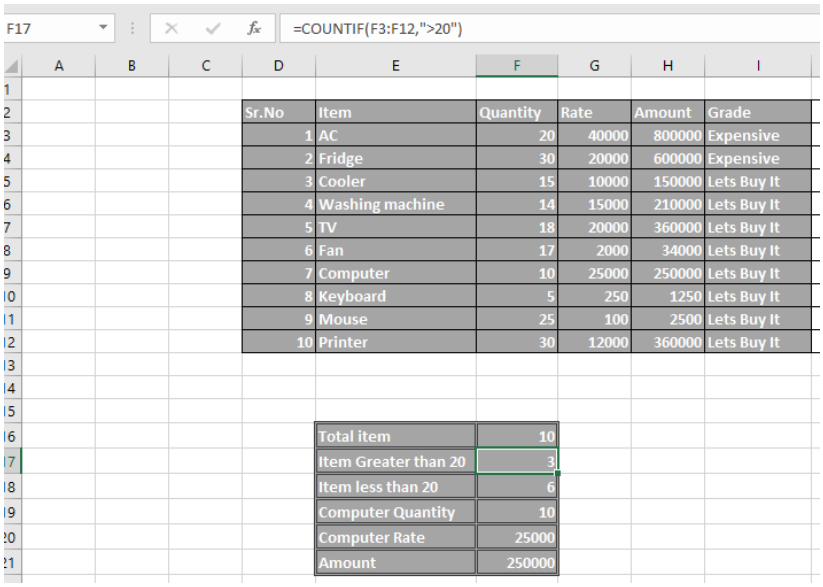
=COUNTA(E3:E12)

Sr.No	Item	Quantity	Rate	Amount	Grade
1	AC	20	40000	800000	Expensive
2	Fridge	30	20000	600000	Expensive
3	Cooler	15	10000	150000	Lets Buy It
4	Washing machine	14	15000	210000	Lets Buy It
5	TV	18	20000	360000	Lets Buy It
6	Fan	17	2000	34000	Lets Buy It
7	Computer	10	25000	250000	Lets Buy It
8	Keyboard	5	250	1250	Lets Buy It
9	Mouse	25	100	2500	Lets Buy It
10	Printer	30	12000	360000	Lets Buy It

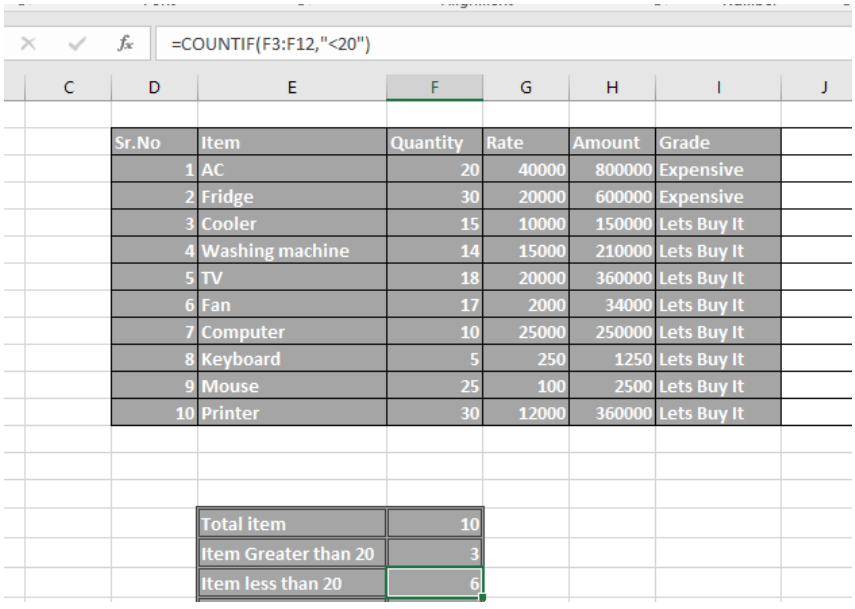
Total item	10



=COUNTIF(F3:F12,">20")

Sr.No	Item	Quantity	Rate	Amount	Grade
1	AC	20	40000	800000	Expensive
2	Fridge	30	20000	600000	Expensive
3	Cooler	15	10000	150000	Lets Buy It
4	Washing machine	14	15000	210000	Lets Buy It
5	TV	18	20000	360000	Lets Buy It
6	Fan	17	2000	34000	Lets Buy It
7	Computer	10	25000	250000	Lets Buy It
8	Keyboard	5	250	1250	Lets Buy It
9	Mouse	25	100	2500	Lets Buy It
10	Printer	30	12000	360000	Lets Buy It

Total item	10
Item Greater than 20	3
Item less than 20	6
Computer Quantity	10
Computer Rate	25000
Amount	250000



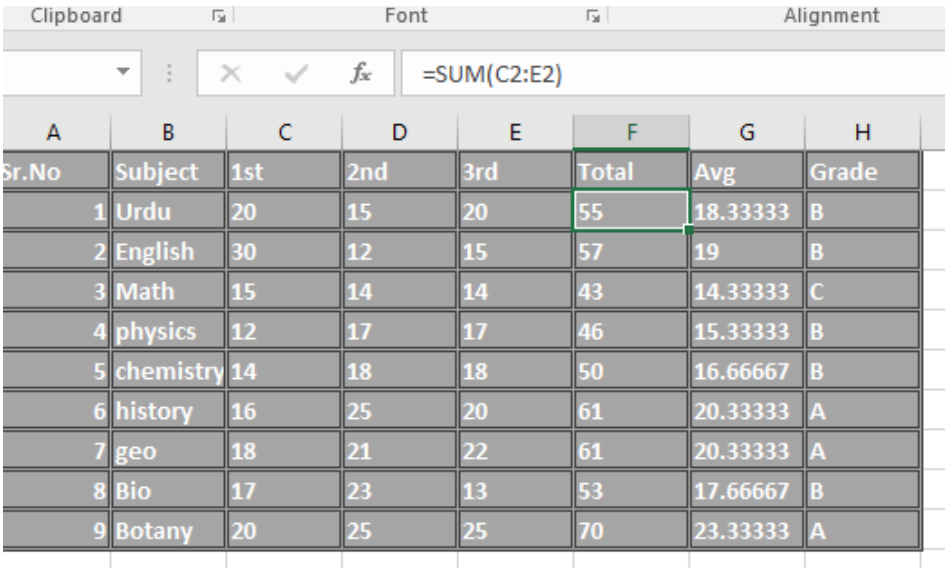
=COUNTIF(F3:F12,"<20")

Sr.No	Item	Quantity	Rate	Amount	Grade
1	AC	20	40000	800000	Expensive
2	Fridge	30	20000	600000	Expensive
3	Cooler	15	10000	150000	Lets Buy It
4	Washing machine	14	15000	210000	Lets Buy It
5	TV	18	20000	360000	Lets Buy It
6	Fan	17	2000	34000	Lets Buy It
7	Computer	10	25000	250000	Lets Buy It
8	Keyboard	5	250	1250	Lets Buy It
9	Mouse	25	100	2500	Lets Buy It
10	Printer	30	12000	360000	Lets Buy It

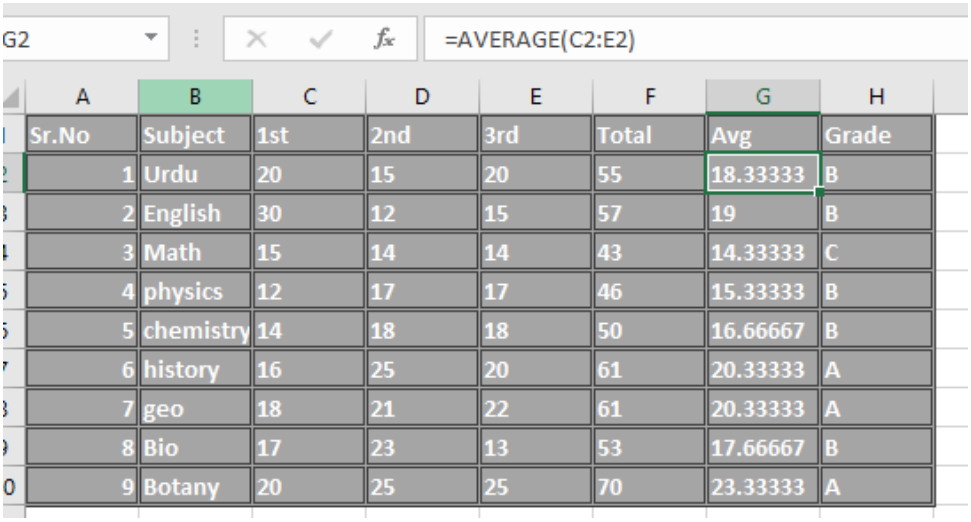
Total item	10
Item Greater than 20	3
Item less than 20	6

TASK 3:

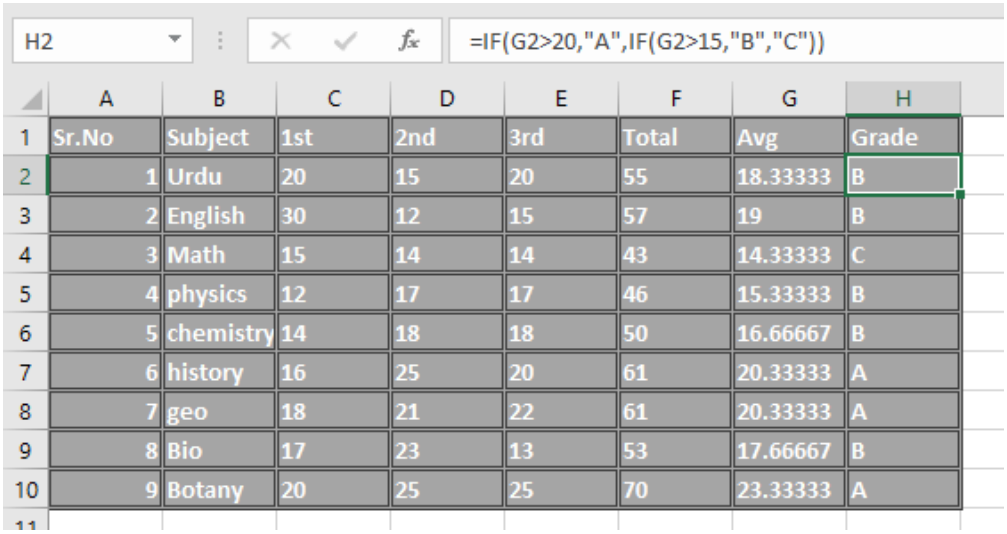
- Sum ,Average & Grade



A	B	C	D	E	F	G	H
Sr.No	Subject	1st	2nd	3rd	Total	Avg	Grade
1	Urdu	20	15	20	55	18.33333	B
2	English	30	12	15	57	19	B
3	Math	15	14	14	43	14.33333	C
4	physics	12	17	17	46	15.33333	B
5	chemistry	14	18	18	50	16.66667	B
6	history	16	25	20	61	20.33333	A
7	geo	18	21	22	61	20.33333	A
8	Bio	17	23	13	53	17.66667	B
9	Botany	20	25	25	70	23.33333	A

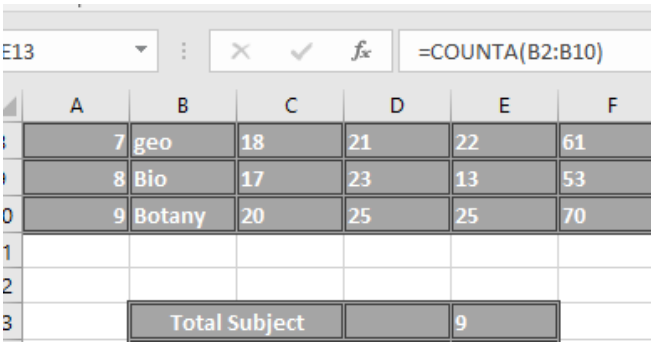


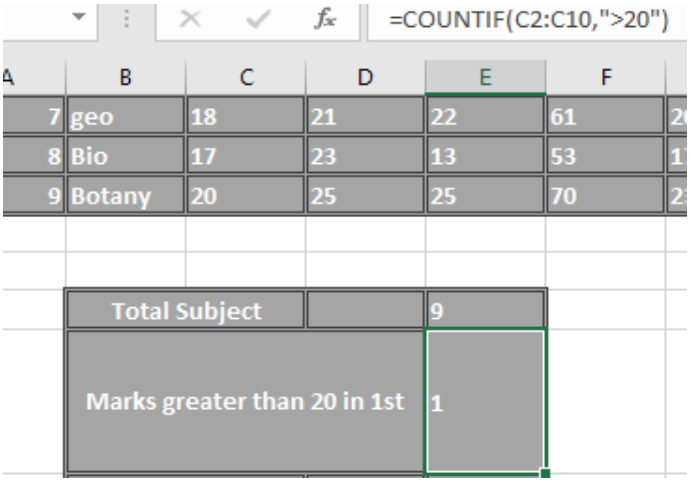
A	B	C	D	E	F	G	H
Sr.No	Subject	1st	2nd	3rd	Total	Avg	Grade
1	Urdu	20	15	20	55	18.33333	B
2	English	30	12	15	57	19	B
3	Math	15	14	14	43	14.33333	C
4	physics	12	17	17	46	15.33333	B
5	chemistry	14	18	18	50	16.66667	B
6	history	16	25	20	61	20.33333	A
7	geo	18	21	22	61	20.33333	A
8	Bio	17	23	13	53	17.66667	B
9	Botany	20	25	25	70	23.33333	A

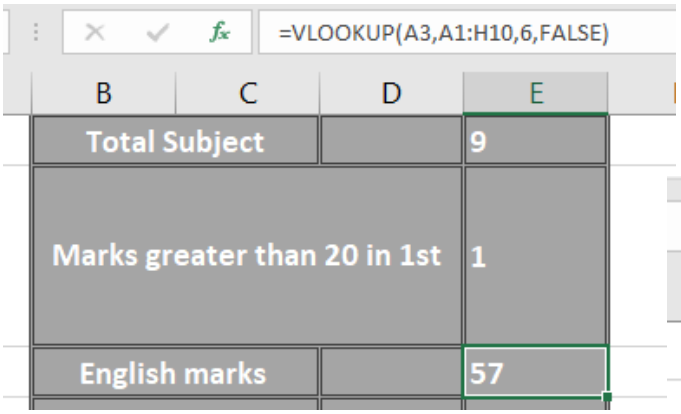


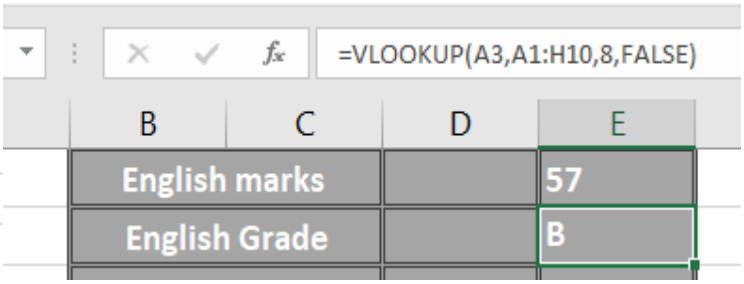
	A	B	C	D	E	F	G	H
1	Sr.No	Subject	1st	2nd	3rd	Total	Avg	Grade
2	1	Urdu	20	15	20	55	18.33333	B
3	2	English	30	12	15	57	19	B
4	3	Math	15	14	14	43	14.33333	C
5	4	physics	12	17	17	46	15.33333	B
6	5	chemistry	14	18	18	50	16.66667	B
7	6	history	16	25	20	61	20.33333	A
8	7	geo	18	21	22	61	20.33333	A
9	8	Bio	17	23	13	53	17.66667	B
10	9	Botany	20	25	25	70	23.33333	A

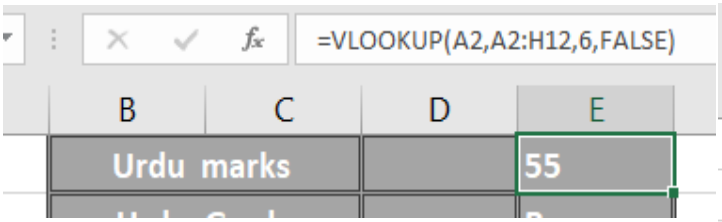
- Total Subject , Greater than 20 in 1st , English , urdu , math , Grades,marks

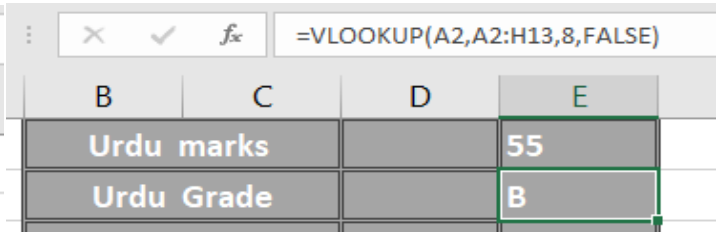


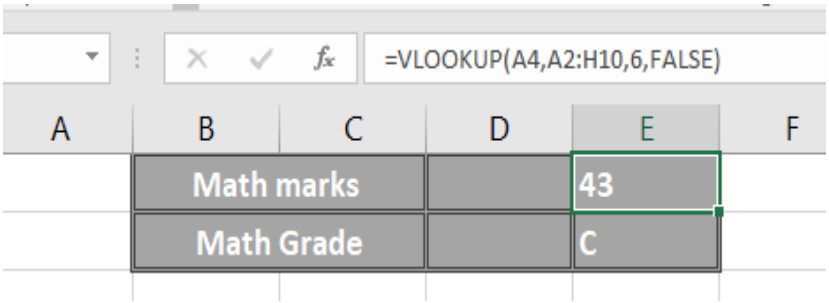


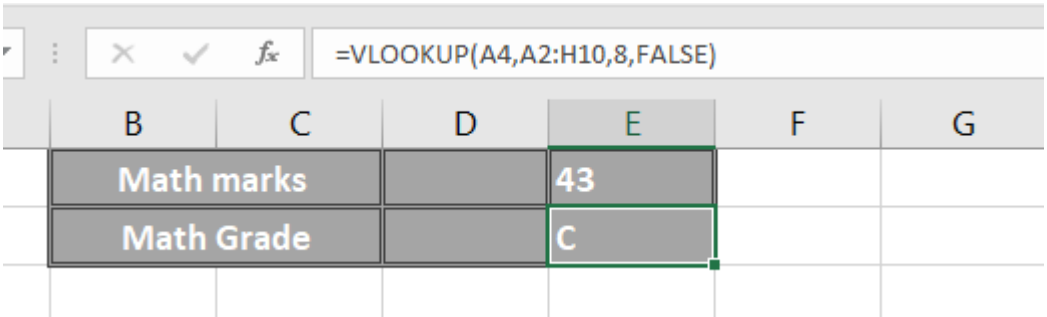




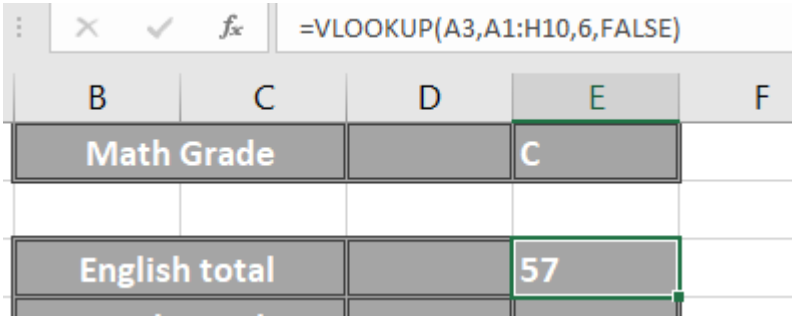


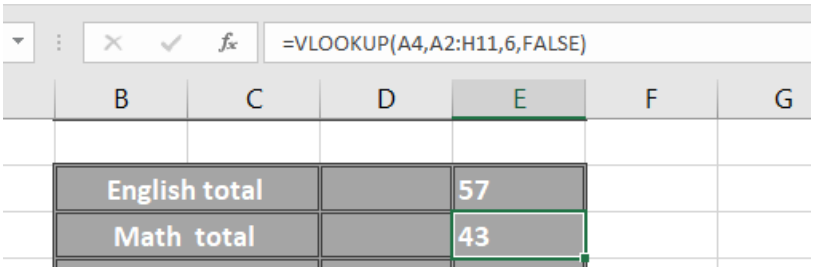


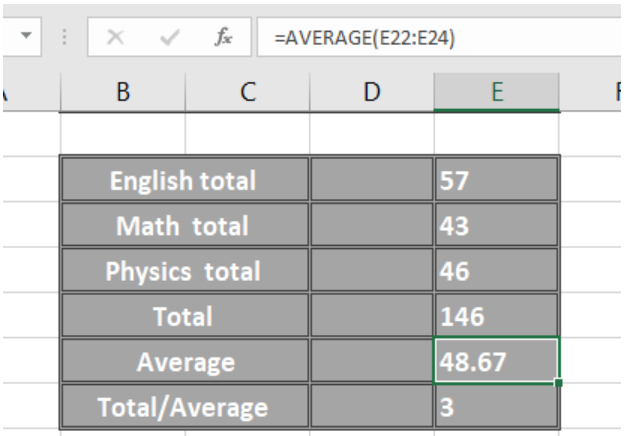


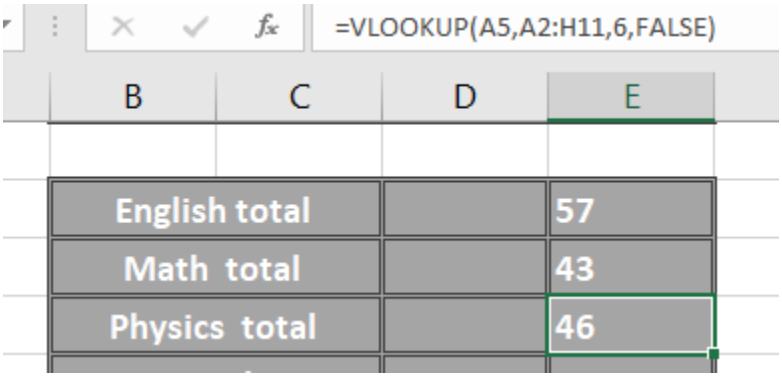


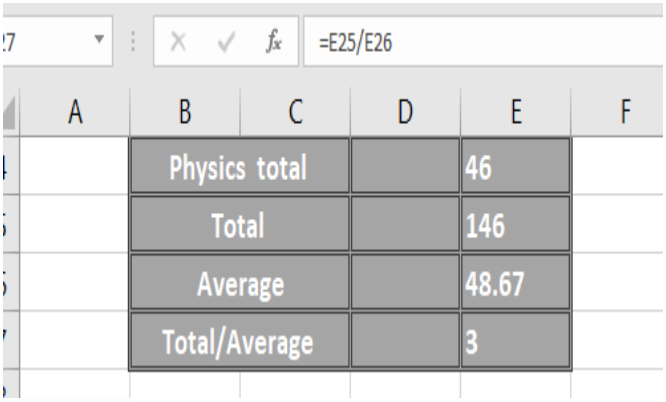
- English,math physics total/average

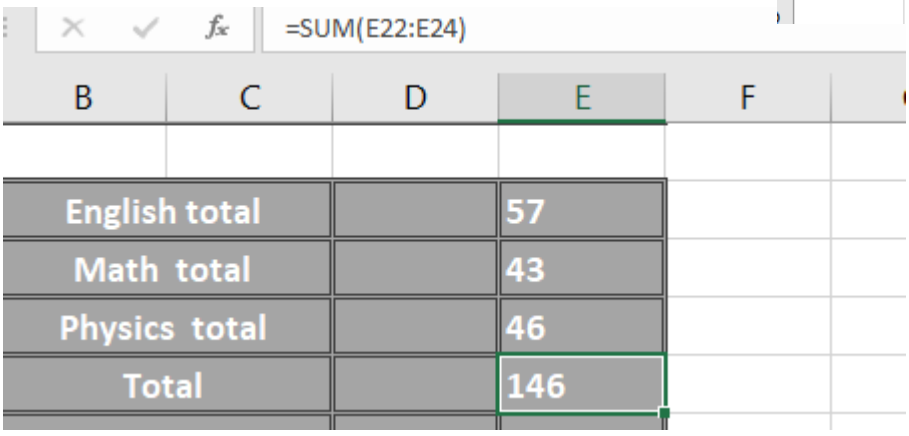












Task 4:

- Find 2.5% DA , 3.5% HRA ,PF1.5%

F2 =(2.5*E2)/100

	A	B	C	D	E	F	G	H	I	J
1	Sr.NO	Name	Department	Post	Basic	DA 2.5%	HRA 3.5%	PF 1.5%	Total	Grade
2	1	Ram	Computer	Manager	5000	125	175	75	5375	C
3	2	Shyam	Computer	Supervisor	8000	200	280	120	8600	C
4	3	Manoj	Computer	Pion	3000	75	105	45	3225	C
5	4	Pooja	Electrical	Guard	6000	150	210	90	6450	C
6	5	Rahul	Electrical	Casher	8000	200	280	120	8600	C
7	6	Rakesh	Electrical	Accountant	9000	225	315	135	9675	C
8	7	Ashish	Finance	Manager	10000	250	350	150	10750	B
9	8	Manish	Finance	Guard	5000	125	175	75	5375	C

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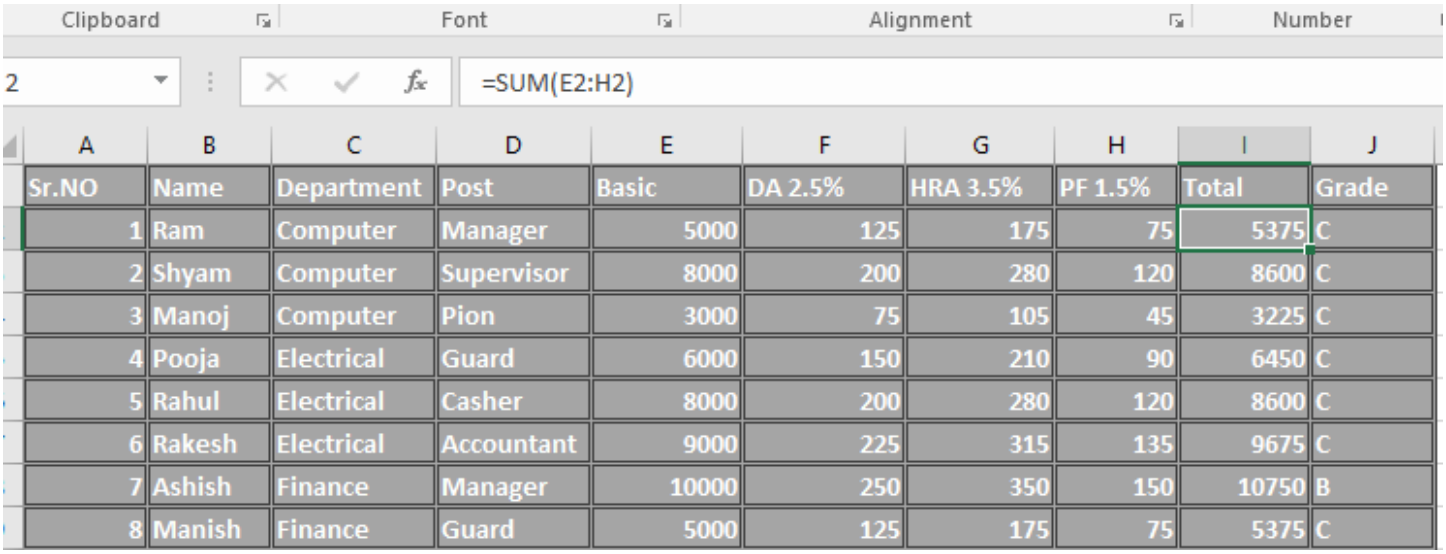
G2 =(3.5*E2)/100

	A	B	C	D	E	F	G	H	I	J
1	Sr.NO	Name	Department	Post	Basic	DA 2.5%	HRA 3.5%	PF 1.5%	Total	Grade
2	1	Ram	Computer	Manager	5000	125	175	75	5375	C
3	2	Shyam	Computer	Supervisor	8000	200	280	120	8600	C
4	3	Manoj	Computer	Pion	3000	75	105	45	3225	C
5	4	Pooja	Electrical	Guard	6000	150	210	90	6450	C
6	5	Rahul	Electrical	Casher	8000	200	280	120	8600	C
7	6	Rakesh	Electrical	Accountant	9000	225	315	135	9675	C
8	7	Ashish	Finance	Manager	10000	250	350	150	10750	B
9	8	Manish	Finance	Guard	5000	125	175	75	5375	C

H2 =(1.5*E2)/100

	A	B	C	D	E	F	G	H	I	J
1	Sr.NO	Name	Department	Post	Basic	DA 2.5%	HRA 3.5%	PF 1.5%	Total	Grade
2	1	Ram	Computer	Manager	5000	125	175	75	5375	C
3	2	Shyam	Computer	Supervisor	8000	200	280	120	8600	C
4	3	Manoj	Computer	Pion	3000	75	105	45	3225	C
5	4	Pooja	Electrical	Guard	6000	150	210	90	6450	C
6	5	Rahul	Electrical	Casher	8000	200	280	120	8600	C
7	6	Rakesh	Electrical	Accountant	9000	225	315	135	9675	C
8	7	Ashish	Finance	Manager	10000	250	350	150	10750	B
9	8	Manish	Finance	Guard	5000	125	175	75	5375	C

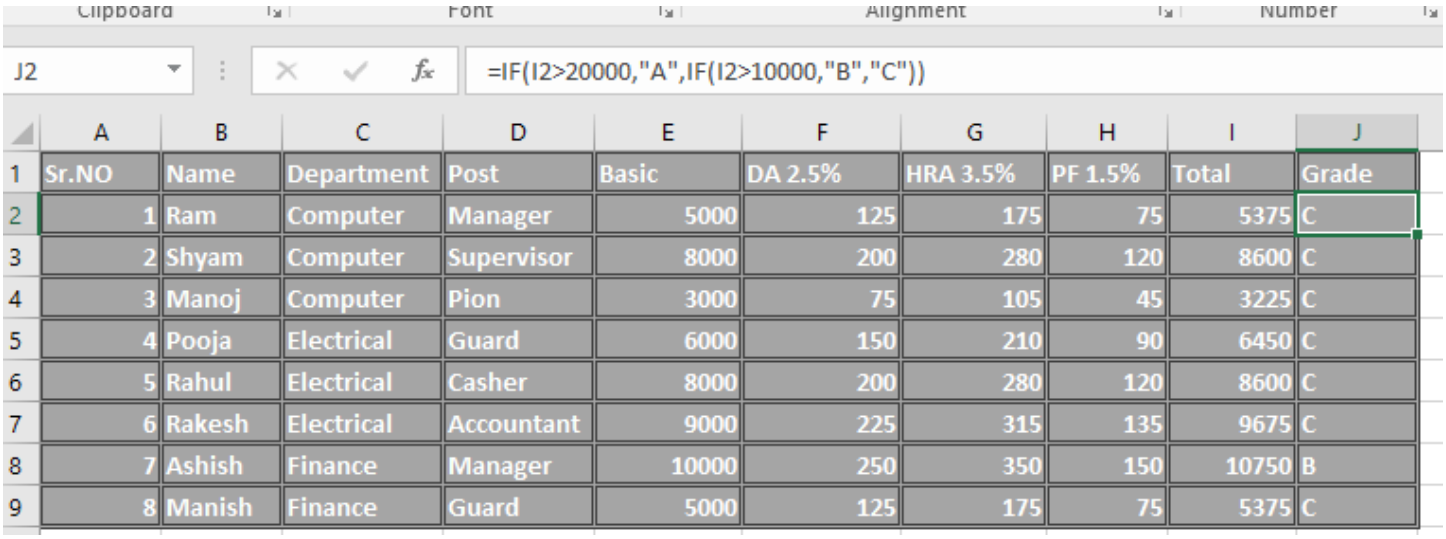
- Finding Total , Grade



Clipboard | Font | Alignment | Number

2 | =SUM(E2:H2)

	A	B	C	D	E	F	G	H	I	J
	Sr.NO	Name	Department	Post	Basic	DA 2.5%	HRA 3.5%	PF 1.5%	Total	Grade
	1	Ram	Computer	Manager	5000	125	175	75	5375	C
	2	Shyam	Computer	Supervisor	8000	200	280	120	8600	C
	3	Manoj	Computer	Pion	3000	75	105	45	3225	C
	4	Pooja	Electrical	Guard	6000	150	210	90	6450	C
	5	Rahul	Electrical	Casher	8000	200	280	120	8600	C
	6	Rakesh	Electrical	Accountant	9000	225	315	135	9675	C
	7	Ashish	Finance	Manager	10000	250	350	150	10750	B
	8	Manish	Finance	Guard	5000	125	175	75	5375	C



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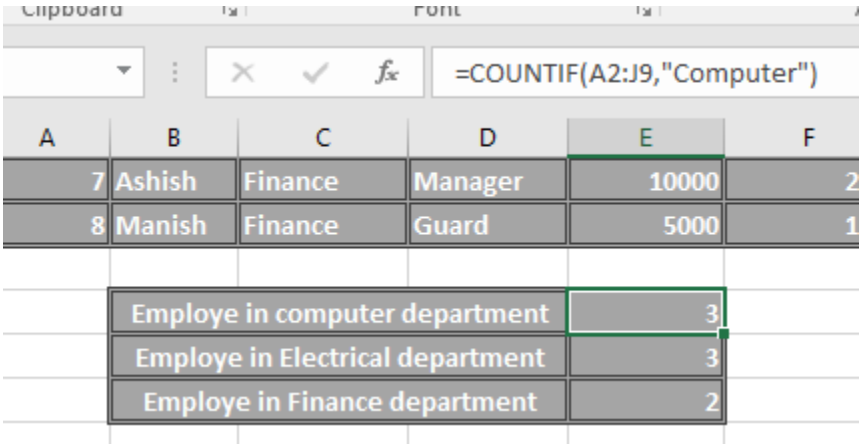
J2 | =IF(I2>20000,"A",IF(I2>10000,"B","C"))

	A	B	C	D	E	F	G	H	I	J
1	Sr.NO	Name	Department	Post	Basic	DA 2.5%	HRA 3.5%	PF 1.5%	Total	Grade
2	1	Ram	Computer	Manager	5000	125	175	75	5375	C
3	2	Shyam	Computer	Supervisor	8000	200	280	120	8600	C
4	3	Manoj	Computer	Pion	3000	75	105	45	3225	C
5	4	Pooja	Electrical	Guard	6000	150	210	90	6450	C
6	5	Rahul	Electrical	Casher	8000	200	280	120	8600	C
7	6	Rakesh	Electrical	Accountant	9000	225	315	135	9675	C
8	7	Ashish	Finance	Manager	10000	250	350	150	10750	B
9	8	Manish	Finance	Guard	5000	125	175	75	5375	C

- Employ in Computer, Electrical , Finance

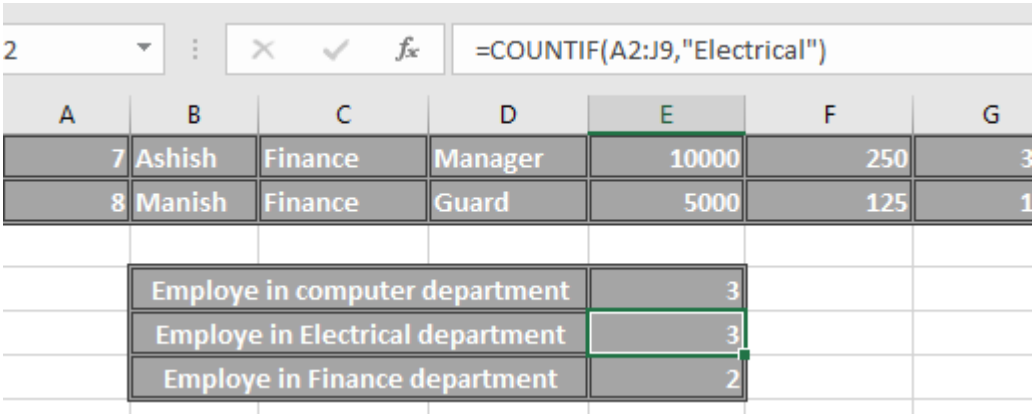


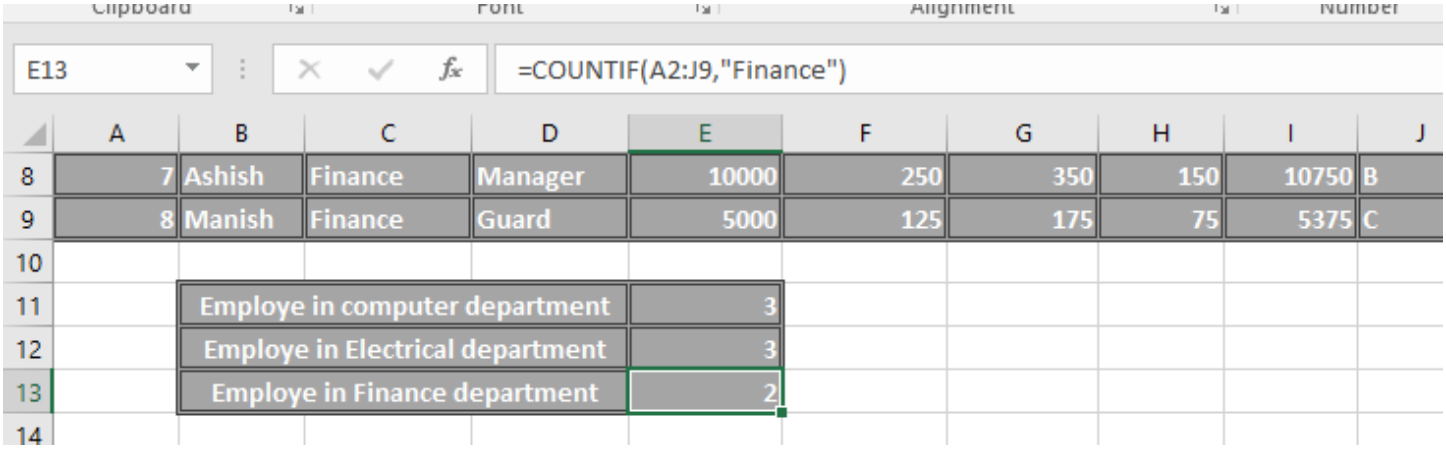
Clipboard | Font

=COUNTIF(A2:J9,"Computer")

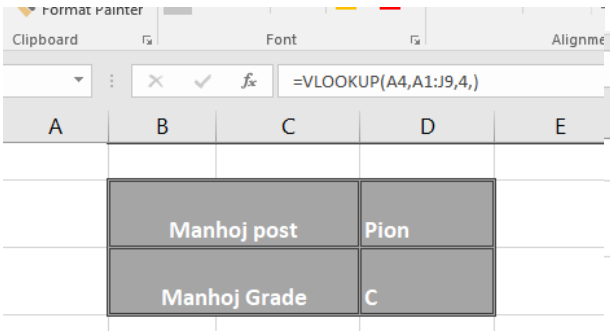
A	B	C	D	E	F
7	Ashish	Finance	Manager	10000	2
8	Manish	Finance	Guard	5000	1

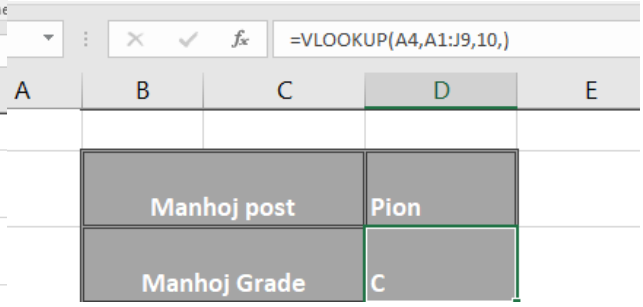
Employe in computer department	3
Employe in Electrical department	3
Employe in Finance department	2

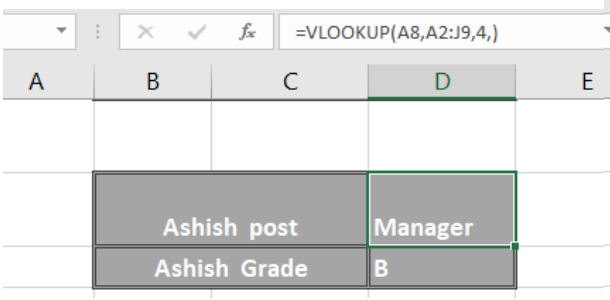


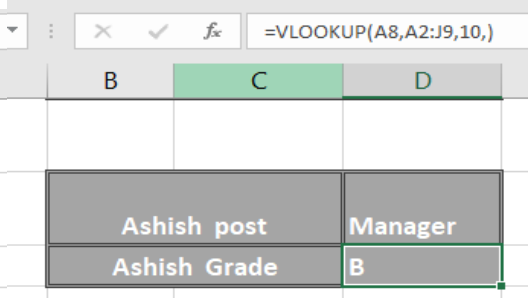


- Mnhoj & Ashish Post & grade

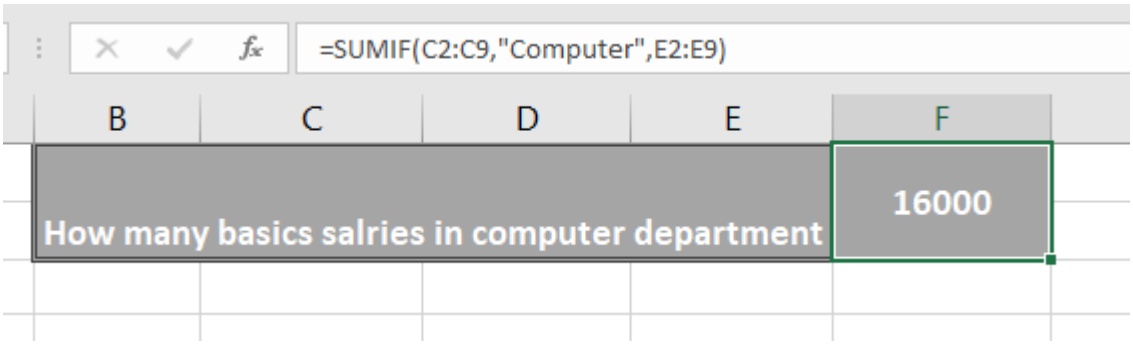






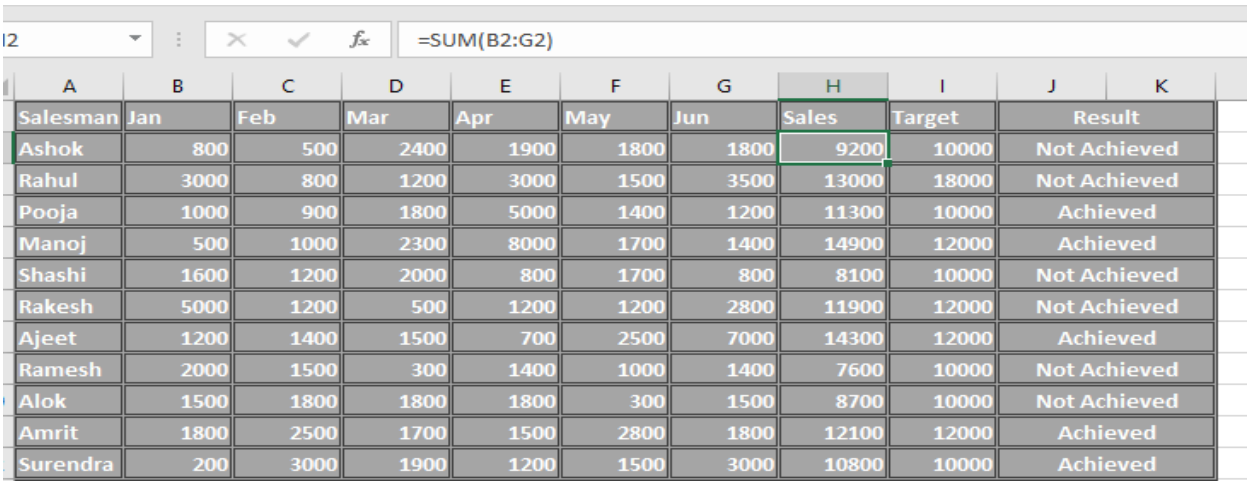


- Business salries in computer department

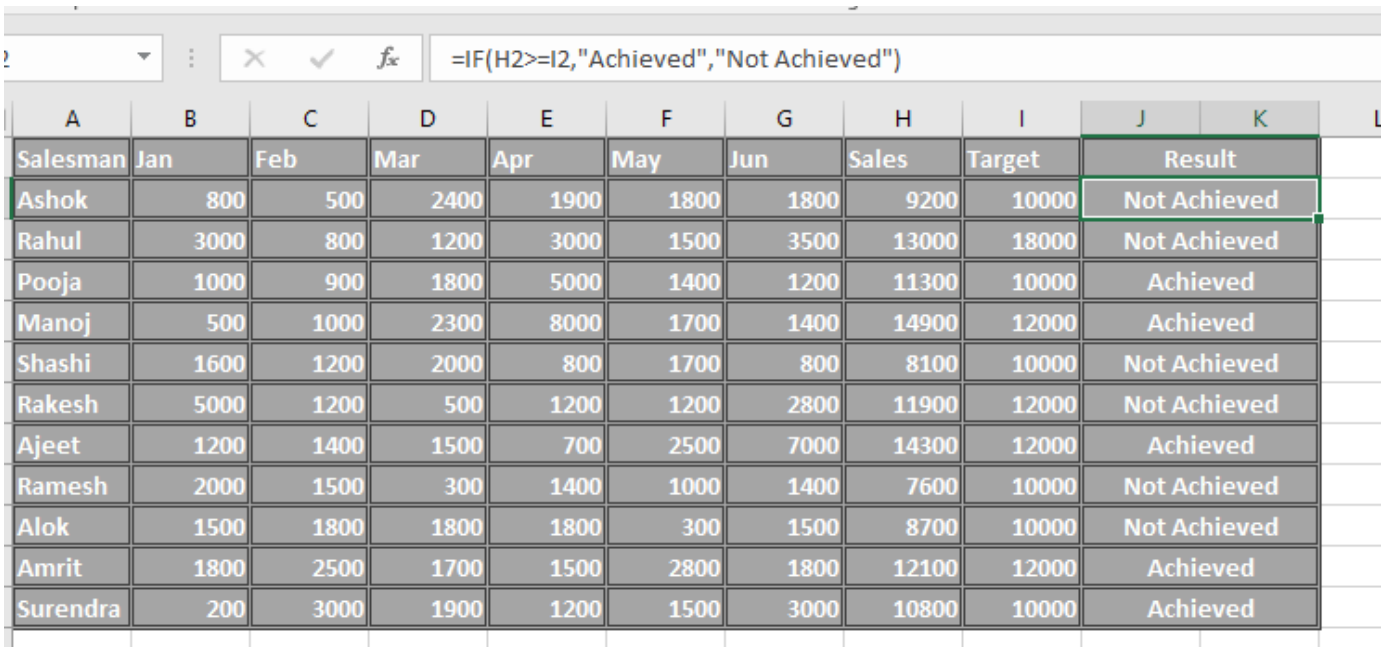


Task 5:

- Sales & Result

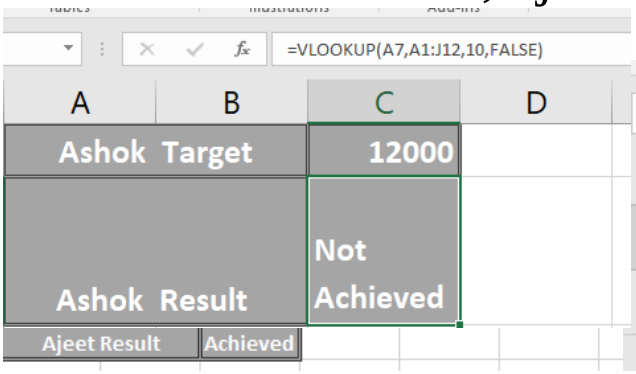


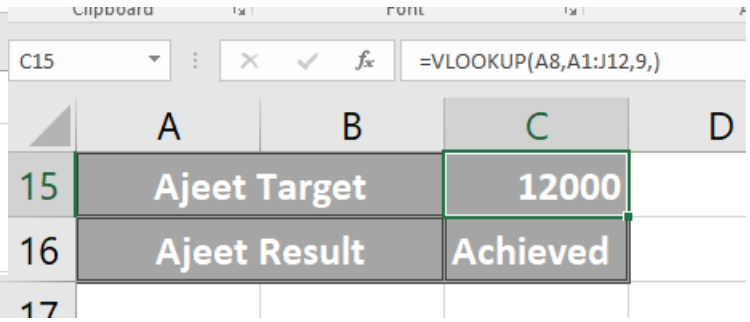
Salesman	Jan	Feb	Mar	Apr	May	Jun	Sales	Target	Result
Ashok	800	500	2400	1900	1800	1800	9200	10000	Not Achieved
Rahul	3000	800	1200	3000	1500	3500	13000	18000	Not Achieved
Pooja	1000	900	1800	5000	1400	1200	11300	10000	Achieved
Manoj	500	1000	2300	8000	1700	1400	14900	12000	Achieved
Shashi	1600	1200	2000	800	1700	800	8100	10000	Not Achieved
Rakesh	5000	1200	500	1200	1200	2800	11900	12000	Not Achieved
Ajeet	1200	1400	1500	700	2500	7000	14300	12000	Achieved
Ramesh	2000	1500	300	1400	1000	1400	7600	10000	Not Achieved
Alok	1500	1800	1800	1800	300	1500	8700	10000	Not Achieved
Amrit	1800	2500	1700	1500	2800	1800	12100	12000	Achieved
Surendra	200	3000	1900	1200	1500	3000	10800	10000	Achieved

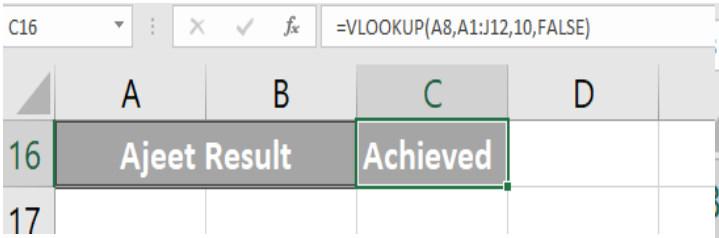


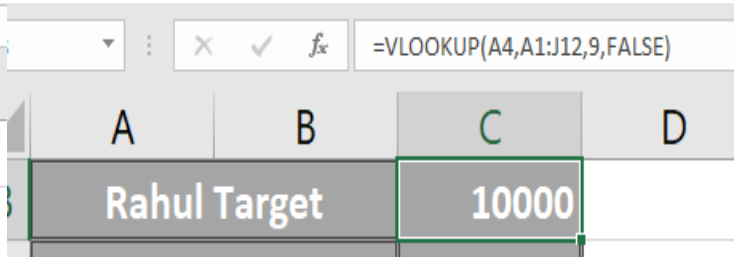
Salesman	Jan	Feb	Mar	Apr	May	Jun	Sales	Target	Result
Ashok	800	500	2400	1900	1800	1800	9200	10000	Not Achieved
Rahul	3000	800	1200	3000	1500	3500	13000	18000	Not Achieved
Pooja	1000	900	1800	5000	1400	1200	11300	10000	Achieved
Manoj	500	1000	2300	8000	1700	1400	14900	12000	Achieved
Shashi	1600	1200	2000	800	1700	800	8100	10000	Not Achieved
Rakesh	5000	1200	500	1200	1200	2800	11900	12000	Not Achieved
Ajeet	1200	1400	1500	700	2500	7000	14300	12000	Achieved
Ramesh	2000	1500	300	1400	1000	1400	7600	10000	Not Achieved
Alok	1500	1800	1800	1800	300	1500	8700	10000	Not Achieved
Amrit	1800	2500	1700	1500	2800	1800	12100	12000	Achieved
Surendra	200	3000	1900	1200	1500	3000	10800	10000	Achieved

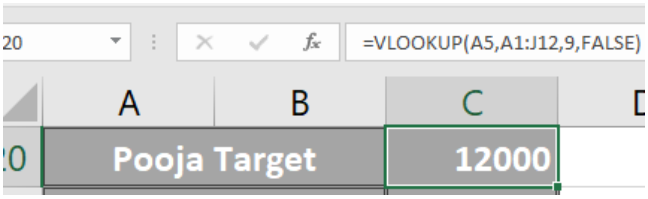
- Total sales man , ajeet , Rahul , Pooja , targets & results

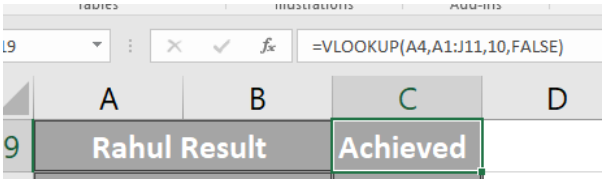


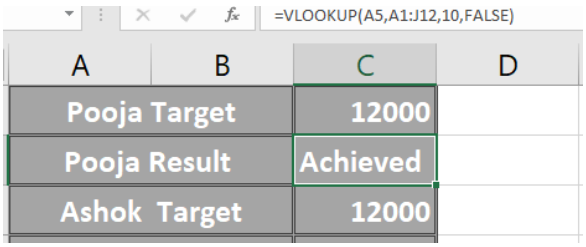


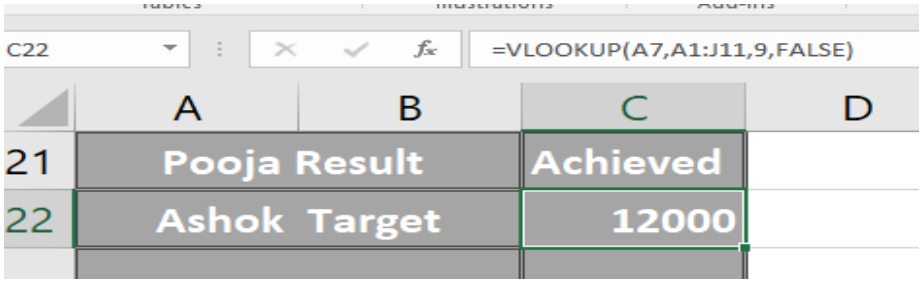




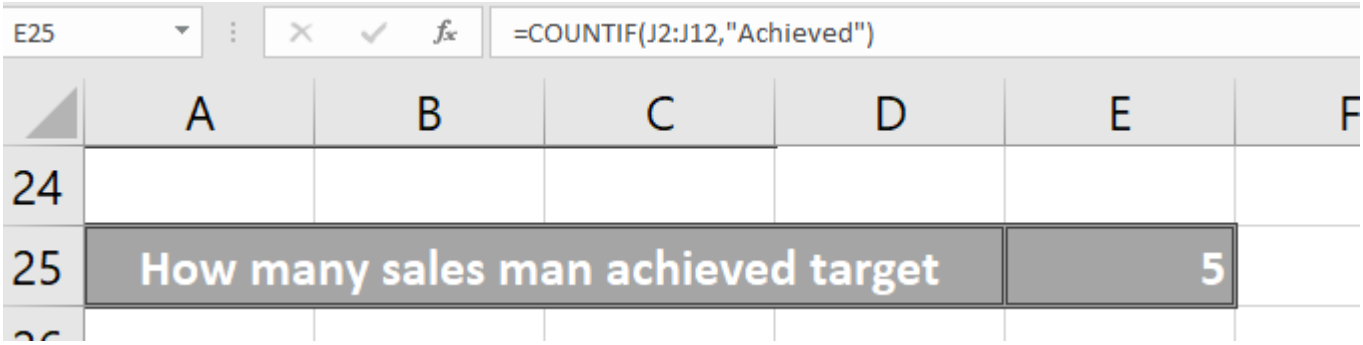


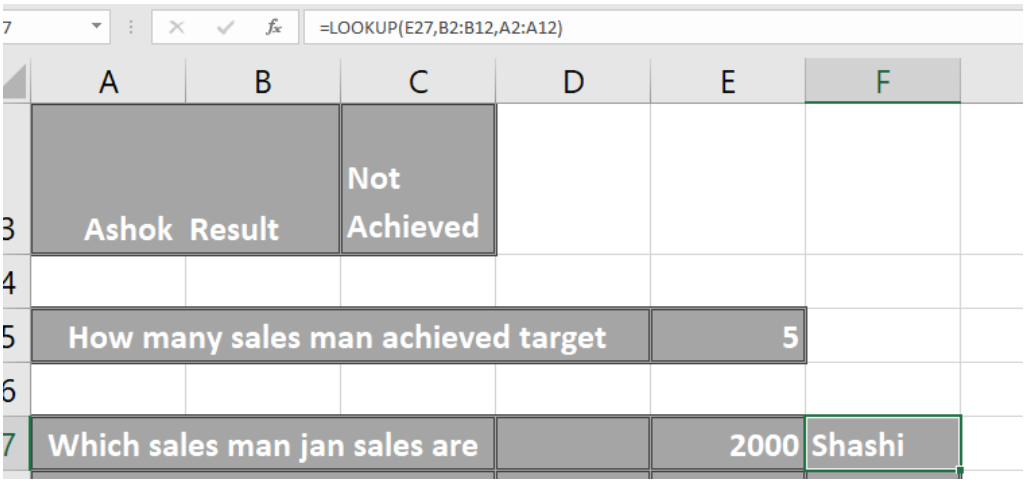


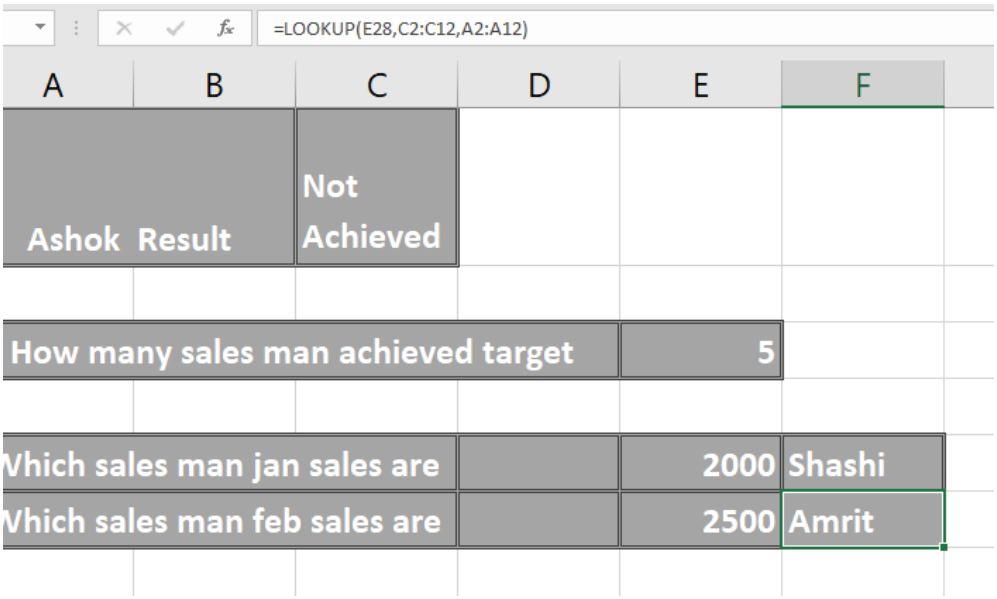




- Sales man achieved target & jan, feb sales







Additional Task:

Sr.No	Quantity	Formula	Fruits	Lunch	Maximum
1	4	Ok	Apple	It's Ok to have Apple in lunch .	9
2	6	Not Ok	Orange	It's Not Ok to have Orange in lunch .	
3	1	Ok	Watermelon	It's Ok to have Watermelon in lunch .	
4	2	Ok	Mango	It's Ok to have Mango in lunch .	
5	8	Not Ok	Kivi	It's Not Ok to have Kivi in lunch .	
6	9	Not Ok	Banana	It's Not Ok to have Banana in lunch .	
7	6	Not Ok	Apricot	It's Not Ok to have Apricot in lunch .	
8	2	Ok	Olive	It's Ok to have Olive in lunch .	
9	2	Ok	Grape	It's Ok to have Grape in lunch .	
10	5	Not Ok	Watermelon	It's Not Ok to have Watermelon in lunch .	
11	4	Ok	Kivi	It's Ok to have Kivi in lunch .	
12	3	Ok	Mango	It's Ok to have Mango in lunch .	

Complaints Task

- Used conditional formatting on Grades

	A	B	C	D
	Sr.No	Cities	Customer complaints	Grades
2	1	Karachi	10	B
3	2	Lahore	24	C
4	3	Silakot	54	F
5	4	Bhawalpur	6	A
6	5	Lodhran	14	B
7	6	Multan	218	F
8	7	Ali pur	21	C
9	8	D.K	21	C
10	9	Peshware	2	A
11	10	isalamabd	21	C
12	11	rawalpinid	96	F
13	12	kharor	113	F
14	13	chanu	125	F
15	14	Sarghoda	36	D
16	15	Quetta	14	B
17	16	Mardan	185	F
18	17	Haripur	8	A
19	18	abottabad	2	A
20	19	sakkahr	14	B