Assignment -1

Use of Formulas Sum, Average, If, Count, Counta, Countif & Sumif

Roll No	Student Name	Hindi	English	Math	Physics	Chemistry	Total	Average	Grade	
1	RAM	20	10	14	18	15	77	15.4	A	15.3 A
2	ASHOK	21	12	14	12	18	77	15.4	A	15.2 A
3	MANOJ	33	15	7	14	17	86	17.2	A	15.2 A
4	RAJESH	15	14	8	16	20	73	14.6	B	14.9 B
5	RANJANA	14	17	10	13	18	72	14.4	B	15.0 B
6	POOJA	16	8	20	17	15	76	15.2	A	15.1 E
7	MAHESH	18	19	3	10	14	64	12.8	B	15.1 B
8	ASHUTOSH	19	20	7	14	18	78	15.6	A	15.9 A
9	ANIL	22	13	8	12	19	74	14.8	B	16.0 B
10	PREM	26	12	10	11	27		17.2	A	17.2 A

Q.1 Find the Total Number & Average in all Subjects in Each Student .

Q.2 Find Grade Using If Function - If Average Greater >15 then "A" Grade otherwise "B" Grade

Q.3 How Many Student "A" and "B" Grade Use of Countif

Q.4 Student Ashok and Manoj Total Number and Average Use of Sumif

Q.5 Count how many Students Use of Counta

Q.6 How Many Student Hindi & English Subject Number Grater Then > 20 and <15 Use of Countif

MANOJ ASHOK 10

6 86 77

4 17.2 15.4

Assignment -2

Use of Formulas - Product, If, Counta, Countif, Sumif

SRNO	ITEMS	QTY	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	COOLER	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

800000	10	3	10	25000
600000		6	32	250000
150000				
210000				
360000				
34000				
250000				
1250				
2500				
360000				

Q.1 Using of Product Fomula for Calculate Amount = Qty*Rate

Q.2 How Many Items in a List

Q.3 How Many Items qty Greate Then > 20 and Less Then <20

Q.4 Calculate Item Computer Qty, Rate and Amount using Sumif Formula

Q.5 If Items Amount is Greater > 500000, Then Items "Expensive" otherwise "Lets Buy it".

EXPENSIVE
EXPENSIVE
LETS BAY IT
LETS BAY IT
LETS BAY IT
LETS BAY IT
LETS BAY IT
LETS BAY IT
LETS BAY IT
LETS BAY IT

Assignment -3

Use of Formulas - Sum, NestedIf, Counta, Countif, Sumif, Vlookup

SUBJECT	1ST	2ND	3RD	TOTAL	AVERAGE	GRADE
HINDI	20	15	20	55	18.333333333	B
ENGLISH	30	12	15	57	19	
MATH	15	14	14	43	14.333333333	
PHYSICS	12	17	17	46	15.333333333	
CHEMISTRY	14	18	18	50	16.666666667	
HISTORY	16	25	20	61	20.333333333	
GEO	18	21	22	61	20.333333333	
BIO	17	23	13	53	17.666666667	
BOTANY	20	25	25	70	23.333333333	

Q.1 HOW MANY SUBJECT ? Use of Counta 1

Q.2 HOW MANY SUBJECT 1 PAPER GREATER THAN 20 ? Use of Countif

Q.3 SUBJECT HINDI, MATH & ENGLISH TOTAL NO. & GRADE Use of Vlookup

Q.4 IF AVE. GREATHER THAN 20 THEN "A", IF AVE. GREATEHR THAN 15 AVE. "B" OTHERWISE "C"

Q.5 SUBJECT PHYSICS, MATHS & ENGLISH TOTAL /AVERAGE Use of Vlookup

	Total No.	Grade
Hindi	55	
Math		
English		

Assignment -4 (Salary Sheet)

Use of Formulas - Sum, NestedIf, Counta, Countif, Sumif, Vlookup

NAME	DEPARTMENT	POST	BASIC	DA 2.5%	HRA 3.5%	PF 1.5%	TOTAL	GRADE	FINANCE	COMPUTER
RAM	COMPUTER	MANAGER	5000	125	175	75	5225	D	2	3
SHYAM	COMPUTER	SUPERVISOR	8000	200	280	120	8360	D		
MANOJ	COMPUTER	PION	3000	75	105	45	3135	D		16000
POOJA	ELECTRICAL	GUARD	6000	150	210	90	6270	D		
RAHUL	ELECTRICAL	CASHER	8000	200	280	120	8360	D	D	PION
RAKESH	ELECTRICAL	ACCOUNTANT	9000	225	315	135	9405	D		
ASHISH	FINANCE	MANAGER	10000	250	350	150	10450	C		2
MANISH	FINANCE	GUARD	5000	125	175	75	5225	k		2

Q.1 HOW MANY EMPLOYEE IN COMPUTER, FINANCE, ELECTRICAL DEPARTMENT Use of Countif

Q.2 HOW MANY BASIC SALARY IN COMPUTER DFPARTMENT ONLY? **Use of Sumif**

Q.3 MANOJ, ASHISH POST & GRADE Use of Vlookup

Q.4 IF TOTAL SALALRY IS GREATER THEN 20000 THEN "A", IF TOTAL SALARY GREATER THEN 10000 THEN "B", OTHERWISE "C"

Q.5 HOW MANY EMPLOYEE IS MANAGER & GUARD? Use of Countif

ELECTRICAL
3

Assignment -5 (Sales Report)

Use of Formulas - Sum, If, Counta, Countif, Sumif, Vlookup, Lookup

SALESMAN	JAN	FEB	MAR	APR	MAY	JUNE	SALES	TARGET	result	SALESMAN
RAMESH	2000	1500	300	1400	1000	1400	7600	10000	Not Achieved	RAMESH
RAKESH	5000	1200	500	1200	1200	2800	11900	12000	Not Achieved	RAKESH
RAHUL	3000	800	1200	3000	1500	3500	13000	18000	Not Achieved	RAHUL
POOJA	1000	900	1800	5000	1400	1200	11300	10000	Achieved	POOJA
MANOJ	500	1000	2300	8000	1700	1400	14900	12000	Achieved	MANOJ
ASHOK	800	500	2400	1900	1800	1800	9200	10000	Not Achieved	ASHOK
AJEET	1200	1400	1500	700	2500	7000	14300	12000	Achieved	AJEET
ALOK	1500	1800	1800	1800	300	1500	8700	10000	Not Achieved	ALOK
AMRIT	1800	2500	1700	1500	2800	1800	12100	12000	Achieved	AMRIT
SURENDRA	200	3000	1900	1200	1500	3000	10800	10000	Achieved	SURENDRA
SHASHI	1600	1200	2000	800	1700	800	8100	10000	Not Achieved	SHASHI

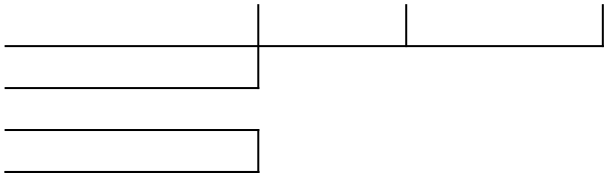
Q.1 How many salesman? Salesman Ajeet Targest & Result? Use of Counta and Vlookup

Q.2 If Sales Greater Than Target Then Target Achived otherwise Not Achived Use of If Function

Q.3 Rahul Pooja & Ashok Targest & result? Use of Vlookup

Q.4 How Many Salesman Achived Target. 5 Use of Countif

Q.5 Which Sales Man Jan Sales 2000, & Feb Sales is 2500? Use of Lookup Function



11 Achieved

NOT ACHIVED
NOT ACHIVED
NOT ACHIVED
ACHIVED
ACHIVED
NOT ACHIVED
ACHIVED
NOT ACHIVED
ACHIVED
ACHIVED
NOT ACHIVED

RAMESH

5

Assignment -7 (Calculate Date of Birth)

Use of Formulas - Counta, Countif, Sumif, if & Datedif

NAME	DATE OF BIRTH	DAY	MONTH	YEAR	
RAMESH	15/5/1980	21	6	43	ADULT
RAKESH	20/8/1981	?	?	42	ADULT
RAHUL	15/10/2003	?	?	20	CHILD
POOJA	25/5/1990	?	?	33	ADULT
MANOJ	24/8/1992	?	?	31	ADULT
ASHOK	23/8/1998	?	?	25	ADULT
AJEET	12/5/1980	?	?	43	ADULT
ALOK	18/3/2005	?	?	18	CHILD
AMRIT	15/8/2007	?	?	16	CHILD
SURENDRA	25/5/2010	?	?	13	CHILD
SHASHI	25/8/1993	?	?	30	ADULT

Q.1 HOW MANY STUDENT? Use of Counta 11 11

Q.2 STUDENT SURENDRA IS HOW MANY YEAR OLD? Use of Sumif 13

Q.3 HOW MANY STUDENT AGE GREATER THEN 20 YEARS? Use of Co 7

Q.4 IF STUDENT AGE IS GREATHER THEN 20 THEN STUDENT ADULT / CHILD? Use of If Function

Q.5 HOW MANY STUDENT AGE IS >= 25 YEARS? Use of Countif 8

Use of Formulas - Counta, Countif, Sumif, Hlookup, Conditional Formatting

Items	Date	Cost	countif
BRAKES	1/1/2016	800.00	4
TYRES	12/5/2016	2000.00	5
BRAKES	18/5/2016	500.00	4
SERVICE	20/5/2016	800.00	2
SERVICE	10/2/2016	1000.00	2
WINDOW	8/5/2016	1000.00	5
TYRES	10/5/2016	1200.00	5
TYRES	25/5/2016	1500.00	5
CLUTCH	10/7/2016	1800.00	3
TYRES	10/1/2016	2000.00	5
CLUTCH	15/6/2016	1500.00	3
CLUTCH	12/1/2016	1000.00	3
WINDOW	1/1/2016	1200.00	5
WINDOW	10/5/2016	1500.00	5
WINDOW	10/5/2016	1800.00	5
BRAKES	10/5/2016	1000.00	4
BRAKES	14/8/2016	1200.00	4
TYRES	15/8/2016	1500.00	5
WINDOW	20/8/2016	1800.00	5

Q.1 HOW MANY ITEMS ?		Use of Counta	19
Q.2 HOW MANY BRAKE, WINDOW & TYRES HAVE BEEN BOUGHTS?		Use of Countif	0
Q.3 HOW MANY ITEMS COST IS >1000 & BELOW > = 1	2000	Use of Countif	0
Q.4 HIGHLIGHT TYRES ITESM & 500 BETWEEN 2000 COST.		Use of Conditional F	
Q.5 ITEMS COLOUMN IS 15, 18 & 20 ITEMS NAME?		Use of Hlookup	
Q.6 Total Cost of Window and Brakes Items?		Use of Sumif	

3500
7300
10800

countifs(and)

Assignment -8

Use of Formulas - Sum, Average, Counta, Countif, Sumif, & If

Student Name	Subject			Result			
Name	Maths	English	Physics	TOTAL	PERCENTAGE	GRADE	80.0
Alan	80	75	85	240	80	EXCELLENT	40.0 excelent
Bob	50	30	40	120	?	?	43.3 bad
Carol	60	70	oor	130	?	?	90.0 bad
David	90	85	95	270	?	?	16.7 excelent
Eric	20	30	Absent	50	?	?	60.0 bad
Fred	40	60	80	180	?	?	60.0 good
Gail	10	90	80	180	?	?	70.0 good
Harry	80	70	60	210	?	?	20.0 good
Ian	30	10	20	60	?	?	20.0 bad
Janice	10	20	30	60	?	?	0.0 bad

Q.1 How Many Student? Use Formula Counta 10

Q.2 How Many Student Percentage Greather Then > 50 Use Formula Countil 5

Q.3 Student Bob and Eric Total Number? Use Formula Sumif 120

Q.4 If Percentage Greater Then >70 Then "Excellent", If Percentage Greater Then >50,"Good", Otherwise "Bed"

Q.5 How Many Student Good and Bed in a list Use Formula Countif 5

Assignment -9

Use of Formulas - LOOKUP

LOOKUP FUNCTION SYNTAX **LOOKUP(LOOKUP_value,lookup_vector,[result_vector])**

Empoyee ID	Last Name	First Name
110608	Doe	John
253072	Cline	Andy
352711	Smith	John
391006	Pan	Peter
392128	Favre	Bret
549457	Elway	John
580622	Manning	Eli
602693	Vick	Micheal
611810	Woods	Tiger
612235	Jordan	Micheal
795574	Stark	Tony
830385	Williams	Prince
990678	Pitt	Brad

P

Empoyee ID	Pay	First N.	Last N.
602693	$ 84,289	Micheal	Vick
611810	$ 137,670	Tiger	Woods
549457	$ 190,024	John	Elway
612235	$ 122,604	Micheal	Jordan
580622	$ 111,709	Eli	Manning
830385	$ 85,931	Prince	Williams
253072	$ 168,114	Andy	Cline
391006	$ 89,627	Peter	Pan
990678	$ 149,946	Brad	Pitt
795574	$ 145,893	Tony	Stark
392128	$ 64,757	Bret	Favre
352711	$ 71,478	John	Smith
110608	$ 121,444	John	Doe

Assignment -10

Employee ID	Full Name	SSN	Department	Start Date	Earnings
EMP002					
EMP003					

Employee ID	Full Name	SSN	Department	Start Date	Earnings
EMP001	Faith K. Macias	845-04-3962	Marketing	27/1/2008	Rs73,500.00
EMP002	Lucian Q. Franklin	345-28-4935	IT/IS	1/3/2008	Rs80,000.00
EMP003	Blaze V. Bridges	503-53-8350	Marketing	16/4/2008	Rs95,000.00
EMP004	Denton Q. Dale	858-39-7967	Marketing	3/5/2008	Rs105,000.00
EMP005	Blossom K. Fox	245-18-5890	Engineering	11/7/2008	Rs90,000.00
EMP006	Kerry V. David	873-45-8675	Finance	17/7/2008	Rs60,000.00
EMP007	Melanie X. Baker	190-08-3679	Finance	5/10/2008	Rs87,000.00
EMP008	Adele M. Fulton	352-36-9553	Engineering	28/10/2008	Rs104,000.00
EMP009	Justina O. Jensen	645-74-0451	Marketing	5/11/2008	Rs380,050.00
EMP010	Yoshi J. England	558-53-1475	Marketing	9/12/2008	Rs93,000.00
EMP011	Brooke Y. Mccarty	129-42-6148	IT/IS	12/2/2009	Rs180,000.00
EMP012	Kay G. Colon	796-50-4767	Marketing	19/3/2009	Rs100,000.00
EMP013	Callie I. Forbes	266-48-1339	Human Resources	13/4/2009	Rs136,000.00
EMP014	Zachery O. Mann	663-00-3285	Marketing	28/4/2009	Rs68,000.00

Q.1 How Many Employee in a List ?	Use of Formula Counta	14	
Q.2 How Many Employee work in Finance and Marketing Department?	Use of Formula Countif	2	7
Q.3 Employee Blossom K. Fox Department and Earnings?	Use of Vlookup	Engineering	###
Q.4 Employee Blossom K. SSN No.?	Use of Vlookup	245-18-5890	

Q.5 How Many Amount Earnings Marketing Department? Use of Sumif 914550

0

Assignment -11

Use of Formulas - Match and Vlookup With Match

CLASSIC FAVORITES	TALL	GRANDE	VENTI
Caffe Latte	$2.95	$3.75	$4.15
Cappuccino	$2.95	$3.65	$4.15
Caramel Macchiato	$3.75	$3.95	$4.25
Caffe Mocha	$3.25	$3.95	$4.40
White Chocolate Mocha	$3.45	$4.15	$4.55
Caffe Americano	$2.00	$2.40	$2.75
Cinnamon Dolce Latte	$3.95	$4.75	$5.15
Steamer	$2.25	$2.50	$2.75
Drip Coffee	$1.75	$1.95	$2.05

Question: What is the column number for the size Grande,Tall, Venti?
Use of Match Formula

Grande	3	Use of Match Function	4
VENTI	4	Use of Match Function	3
TALL	2	Use of Match Function	2

Question: What is the price of a Caffe Mocha, size Grande,Tall, Venti?
Use of Vlookup with Match Formula

Caffe Mocha	Grande	$3.75
Caffe Mocha	TALL	$2.95
Caffe Mocha	VENTI	$4.15

Assignment -12

Use of Formulas - Counta and Vlookup

Product Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total Sales
Apples	$2,773	$17,462	$5,954	$1,348	$28,158	$28,799	$25,415	$17,227	$127,136
Grapefruit	$12,908	$3,083	$24,492	$5,825	$1,080	$2,188	$11,087	$15,544	$76,207
Lemons	$6,554	$14,262	$8,377	$24,982	$12,184	$6,430	$21,159	$18,597	?
Lime	$28,913	$1,437	$20,019	$13,026	$26,952	$27,076	$7,040	$10,884	?
Oranges	$4,768	$7,622	$28,918	$27,141	$3,578	$10,092	$15,207	$12,771	?
Peaches	$13,390	$3,611	$6,226	$27,567	$29,962	$2,967	$5,740	$2,137	?
Pears	$17,585	$28,508	$9,614	$17,110	$12,143	$7,365	$24,185	$1,643	?
Pineapples	$22,579	$16,301	$6,469	$22,050	$8,740	$18,806	$3,334	$3,597	?

Lemons
Pineapples

Q.1 How Many Fruits? 8

Q.2 Fruits Lemons and Pineapples sales in Mar and Jul ?

	Mar	Jul
Lemons		$8,377
Pineapple		

Mar	Jul
$8,377	$8,377
$6,469	$6,469

Assignment -13

Create Pivot Table Using Data

Last Name	Sales	Country	Quarter
Smith	$16,753.00	UK	Qtr 3
Johnson	$14,808.00	USA	Qtr 4
Williams	$10,644.00	UK	Qtr 2
Jones	$1,390.00	USA	Qtr 3
Brown	$4,865.00	USA	Qtr 4
Williams	$12,438.00	UK	Qtr 1
Johnson	$9,339.00	UK	Qtr 2
Smith	$18,919.00	USA	Qtr 3
Jones	$9,213.00	USA	Qtr 4
Jones	$7,433.00	UK	Qtr 1
Brown	$3,255.00	USA	Qtr 2
Williams	$14,867.00	USA	Qtr 3
Williams	$19,302.00	UK	Qtr 4
Smith	$9,698.00	USA	Qtr 1

Assignment -14

Use of Formulas - Countif, Countifs and Sumifs

Season	Year	Type	State	Sales $
Fall	1998	Amber Ale	California	$554,536
Fall	1998	Hefeweizen	California	$540,643
Fall	1998	Pale Ale	California	$577,548
Fall	1998	Pilsner	California	$455,905
Fall	1998	Porter	California	$490,871
Fall	1998	Stout	California	$446,383
Fall	1998	Amber Ale	Oregon	$457,726
Fall	1998	Hefeweizen	Oregon	$347,696
Fall	1998	Pale Ale	Oregon	$384,541
Fall	1998	Pilsner	Oregon	$386,420
Fall	1998	Porter	Oregon	$370,970
Fall	1998	Stout	Oregon	$430,754
Fall	1998	Amber Ale	Washington	$500,847
Fall	1998	Hefeweizen	Washington	$507,070
Fall	1998	Pale Ale	Washington	$482,346
Fall	1998	Pilsner	Washington	$608,713
Fall	1998	Porter	Washington	$150,000
Fall	1998	Stout	Washington	$500,649
Spring	1998	Amber Ale	California	$545,780
Spring	1998	Hefeweizen	California	$440,644
Spring	1998	Pale Ale	California	$580,359
Spring	1998	Pilsner	California	$536,225
Spring	1998	Porter	California	$414,908
Spring	1998	Stout	California	$377,997
Spring	1998	Amber Ale	Oregon	$331,289
Spring	1998	Hefeweizen	Oregon	$384,572
Spring	1998	Pale Ale	Oregon	$365,813
Spring	1998	Pilsner	Oregon	$396,338

Spring	1998	Porter	Oregon	$453,761
Spring	1998	Stout	Oregon	$356,538
Spring	1998	Amber Ale	Washington	$606,332
Spring	1998	Hefeweizen	Washington	$535,218
Spring	1998	Pale Ale	Washington	$493,364
Spring	1998	Pilsner	Washington	$559,100
Spring	1998	Porter	Washington	$220,350
Spring	1998	Stout	Washington	$476,975

Q.1 How Many Spring and Fall Season? Using Formula Countif

Q.2 How Many Fall Season in California and Washington? Using Formula Countifs

Q.3 Total Sales if Spring Season in Washngton and California? using Formula Sumifs

Q.4 How Many Spring Season in Washington only? Using Formula Countifs

Q.5 Create Pivot Table Using Data?

Assignment -15

Create Pivot Table Using Data Separate Fruit and Vegetables

Order ID	Product	Category	Amount	Date	Country
1	Carrots	Vegetables	$4,270	6/1/2016	United States
2	Broccoli	Vegetables	$8,239	7/1/2016	United Kingdom
3	Banana	Fruit	$617	8/1/2016	United States
4	Banana	Fruit	$8,384	10/1/2016	Canada
5	Beans	Vegetables	$2,626	10/1/2016	Germany
6	Orange	Fruit	$3,610	11/1/2016	United States
7	Broccoli	Vegetables	$9,062	11/1/2016	Australia
8	Banana	Fruit	$6,906	16/1/2016	New Zealand
9	Apple	Fruit	$2,417	16/1/2016	France
10	Apple	Fruit	$7,431	16/1/2016	Canada
11	Banana	Fruit	$8,250	16/1/2016	Germany
12	Broccoli	Vegetables	$7,012	18/1/2016	United States
13	Carrots	Vegetables	$1,903	20/1/2016	Germany
14	Broccoli	Vegetables	$2,824	22/1/2016	Canada
15	Apple	Fruit	$6,946	24/1/2016	France
16	Banana	Fruit	$2,320	27/1/2016	United Kingdom
17	Banana	Fruit	$2,116	28/1/2016	United States
18	Banana	Fruit	$1,135	30/1/2016	United Kingdom
19	Broccoli	Vegetables	$3,595	30/1/2016	United Kingdom
20	Apple	Fruit	$1,161	2/2/2016	United States
21	Orange	Fruit	$2,256	4/2/2016	France
22	Banana	Fruit	$1,004	11/2/2016	New Zealand
23	Banana	Fruit	$3,642	14/2/2016	Canada
24	Banana	Fruit	$4,582	17/2/2016	United States
25	Beans	Vegetables	$3,559	17/2/2016	United Kingdom
26	Carrots	Vegetables	$5,154	17/2/2016	Australia
27	Mango	Fruit	$7,388	18/2/2016	France
28	Beans	Vegetables	$7,163	18/2/2016	United States

Banana
Apple

29	Beans	Vegetables	$5,101	20/2/2016	Germany
30	Apple	Fruit	$7,602	21/2/2016	France

			fruit	veg	banana
Q.1 How Many Fruits and Vegetables Items in a List?	Use of Formula Countif		18	12	38956
Q.2 Total Apple and Banana Amount?	Use of Formula Sumif		25557		
Q.3 How Many Product in a list?		Use of Counta		30	
Q.4 How Many Apple and Banana Use in Canada & United Kingdom?		Use of Countifs			
Q.5 Apple and Banana Sales in United States ?		Use of Sumifs			

Canada	United Kingdom
2	2
1	0

Assignment -16

Use of Formulas - Countif, Countifs and Sumifs and Vlookup

Name	Gender	Country	Score
Richard	Male	United States	74
Jennifer	Female	United Kingdom	92
James	Male	United States	65
Lisa	Female	Canada	82
Sharon	Female	Australia	50
Elizabeth	Female	Canada	91
Carol	Female	United States	96
Mark	Male	United States	58
John	Male	Canada	67
Susan	Female	United Kingdom	54
David	Male	United States	83

Q.1 How Many Male and Female Candidate in a List? Use of Formula Countif 6

Q.2 How Many Male Employee in United States? Use of Formula Countifs 4

Q.3 Lisa and John Which Country Belong? Use of Vlookup Canada Canada

Q.4 United States Male and Female Candidate Scores? Use if Formula Sumifs 96

Q.5 How Many Male Candidate Belong Country United State Total Score? Use of Formula Sumifs 280

Assignment -17

Use of Formulas - Vlookup

ID	Brand	Product
101	Dell	Computer
102	Logitech	Keyboard
103	Logitech	Mouse
104	HP	Printer

Use of Vlookup Function ?

ID	Brand	Product
104	HP	Printer
103	Logitech	Mouse
104	HP	Printer
101	Dell	Computer
102	Logitech	Keyboard
103	Logitech	Mouse
101	Dell	Computer
104	HP	Printer
101	Dell	Computer
102	Logitech	Keyboard

Assignment -18

Use of Formulas - Hlookup

ID	101	102	103	104
Brand	Dell	Logitech	Logitech	HP
Product	Computer	Keyboard	Mouse	Printer

Keyboard

ID	Product	Brand
104	Printer	**HP**
103	Mouse	**Logitech**
104	Printer	**HP**
101	Computer	**Dell**
102	Keyboard	**Logitech**
103	Mouse	**Logitech**
101	Computer	**Dell**
104	Printer	**HP**
101	Computer	**Dell**
102	Keyboard	**Logitech**

Logitech

Assignment -19

Use of Formulas - Index with Match

Region	Jan	Feb	Mar
North	5,535	5,414	9,027
South	5,013	5,107	11,667
East	6,597	3,858	1,507
West	3,195	3,654	7,225

East	Mar	1,507			
West	Feb	3654	3,195	3,654	7,225
South	Jan	5107	6,597	3,858	1,507
North	Mar	5414	5,535	5,414	9,027

Assignment -20

Use of Advance Filter

Order Id	Order Date	Employee Name	Reporting Manager	Customer Name	Customer Contact	Customer Email	Product Name	Product Price	Product Qty	Order Total
				Chloe Jones			Apple			

Order Id	Order Date	Employee Name	Reporting Manager	Customer Name	Customer Contact	Customer Email	Product Name	Product Price	Product Qty	Order Total
1	31/10/2017	Abhay Gaurav	Aakash Harit	Chloe Jones	919-555-8658	lo@email.com	Apple	৳ 14.00	76.00	৳ 1,064.00
2	26/6/2017	Nisha Kumari	Aakash Harit	Brett Newkirk	919-555-7653	newkb@email.com	Banana	৳ 3.00	33.00	৳ 99.00
3	20/1/2017	Abhay Gaurav	Aakash Harit	Tracey Beckham	919-555-2314	beck@email.com	Banana	৳ 3.00	73.00	৳ 219.00
4	12/12/2017	Nishu Kumari	Aakash Harit	Brett Newkirk	919-555-7653	newkb@email.com	Apple	৳ 14.00	44.00	৳ 616.00
5	18/7/2017	Abhay Gaurav	Aakash Harit	Lucinda George	919-555-4534	lugeo@email.com	Apple	৳ 14.00	44.00	৳ 616.00
6	14/3/2017	Abhay Gaurav	Aakash Harit	Jerrod Smith	919-555-4564	texj@email.com	Banana	৳ 3.00	12.00	৳ 36.00
7	21/11/2017	Nishu Kumari	Aakash Harit	Lucinda George	919-555-4534	lugeo@email.com	Grapes	৳ 33.00	98.00	৳ 3,234.00
8	22/5/2017	Nishu Kumari	Aakash Harit	Jerrod Smith	919-555-4564	texj@email.com	Grapes	৳ 33.00	42.00	৳ 1,386.00
9	10/11/2017	Nishu Kumari	Aakash Harit	Chloe Jones	919-555-8658	lo@email.com	Apple	৳ 14.00	15.00	৳ 210.00

10	30/10/2017	Abhay Gaurav	Aakash Harit	Tracey Beckham	919-555-2314	beck@email.com	Pineapple	৳ 24.00	40.00	৳ 960.00
11	30/5/2017	Nishu Kumari	Aakash Harit	Brett Newkirk	919-555-7653	newkb@email.com	Pineapple	৳ 24.00	71.00	৳ 1,704.00
12	13/5/2017	Nishu Kumari	Aakash Harit	Brett Newkirk	919-555-7653	newkb@email.com	Apple	৳ 14.00	84.00	৳ 1,176.00
13	2/1/2017	Nisha Kumari	Aakash Harit	Lucinda George	919-555-4534	lugeo@email.com	Apple	৳ 14.00	97.00	৳ 1,358.00
14	16/9/2017	Abhay Gaurav	Aakash Harit	Jerrod Smith	919-555-4564	texj@email.com	Banana	৳ 3.00	28.00	৳ 84.00
14	16/9/2017	Abhay Gaurav	Aakash Harit	Jerrod Smith	919-555-4564	texj@email.com	Banana	৳ 3.00	28.00	৳ 84.00
8	22/5/2017	Nishu Kumari	Aakash Harit	Jerrod Smith	919-555-4564	texj@email.com	Grapes	৳ 33.00	42.00	৳ 1,386.00
17	30/1/2017	Vishal Kumar	Divya Sharma	Lucinda George	919-555-4534	lugeo@email.com	Pineapple	৳ 24.00	28.00	৳ 672.00
5	18/7/2017	Abhay Gaurav	Aakash Harit	Lucinda George	919-555-4534	lugeo@email.com	Apple	৳ 14.00	44.00	৳ 616.00
19	28/7/2017	Vishal Kumar	Divya Sharma	Tracey Beckham	919-555-2314	beck@email.com	Grapes	৳ 33.00	14.00	৳ 462.00
20	24/3/2017	Vishal Kumar	Divya Sharma	Brett Newkirk	919-555-7653	newkb@email.com	Apple	৳ 14.00	48.00	৳ 672.00

1	###	Abhay Gaurav	Aakash Harit	Chloe Jon	919-555-ɛlo@email	Apple	ক 14.00	76.00	###
9	###	Nishu Kumari	Aakash Harit	Chloe Jon	919-555-ɛlo@email	Apple	ক 14.00	15.00	###

1	31/10/2017	Abhay Ga	Aakash Hi	Chloe Jon	919-555-ɛlo@email	Apple	ক 14.00
9	10/11/2017	Nishu Kun	Aakash Hi	Chloe Jon	919-555-ɛlo@email	Apple	ক 14.00

1	31/10/2017	Abhay Gaurav	Aakash Hi	Chloe Jon	919-555-ɛlo@email	Apple	ক 14.00	76.00
9	10/11/2017	Nishu Kumari	Aakash Hi	Chloe Jon	919-555-ɛlo@email	Apple	ক 14.00	15.00

76.00 ###

15.00 ###

###

###

Assignment -21

Use of Formulas - Index + Match

Emp Name	Salary	Department	Emp ID
Raju	92,671	Sales	Prd001
Ramesh	84,120	Operations	Prd002
Ramila	50,793	Marketing	Prd003
Rajeshwari	77,833	HR	Prd004
Karan	58,914	Finance	Prd005
Rohith	51,096	IT	Prd006
Jacob	83,735	Marketing	Prd007
Fleming	74,418	IT	Prd008
Navya	51,366	Sales	Prd009
Kavya	54,600	Finance	Prd010
Santosh	93,509	Operations	Prd011
Shankar	80,105	Finance	Prd012
Rajesh	60,802	Marketing	Prd013
Mahesh	76,260	Sales	Prd014
Hemaraj	88,965	IT	Prd015
Nagaraj	63,288	Operations	Prd016
Johson	45,742	Sales	Prd017
David	88,354	Marketing	Prd018
Anderson	76,641	Marketing	Prd019
Peter	61,678	Sales	Prd020

Emp ID	Salary
Prd001	92,671
Prd002	?
Prd003	?
Prd004	?
Prd005	?
Prd006	?
Prd007	?
Prd008	?
Prd009	?
Prd010	?
Prd011	?
Prd012	?
Prd013	?
Prd014	?
Prd015	?
Prd016	?
Prd017	?
Prd018	?
Prd019	?
Prd020	?

Use of Formulas - Lookup

Emp Name	Salary	Department	Emp ID
Raju	92,671	Sales	Prd001
Ramesh	84,120	Operations	Prd002
Ramila	50,793	Marketing	Prd003
Rajeshwari	77,833	HR	Prd004
Karan	58,914	Finance	Prd005
Rohith	51,096	IT	Prd006
Jacob			
Fleming	74,418	IT	Prd008
Navya	51,366	Sales	Prd009
Kavya	54,600	Finance	Prd010
Santosh	93,509	Operations	Prd011
Shankar	80,105	Finance	Prd012
Rajesh	60,802	Marketing	Prd013
Mahesh	76,260	Sales	Prd014
Hemaraj	88,965	IT	Prd015
Nagaraj	63,288	Operations	Prd016
Johson	45,742	Sales	Prd017
David	88,354	Marketing	Prd018
Anderson	76,641	Marketing	Prd019
Peter	61,678	Sales	Prd020

Assignment -22

Emp ID	Salary
Prd001	92,671
Prd002	84,120
Prd003	50,793
Prd004	77,833
Prd005	?
Prd006	?
Prd008	?
Prd009	?
Prd010	?
Prd011	?
Prd012	?
Prd013	?
Prd014	?
Prd015	?
Prd016	?
Prd017	?
Prd018	?
Prd019	?
Prd020	?

Q.1 How Many Employee in Work HR, IT, Marketing Department ? Use of Countif

Q.2 Employee Santosh Salary? Use of Sumif

Q.3 IT & Marketing Department Total Salary? Use of Sumif

Assignment -23

Use of Formulas - AND

NAME	PHYSICS	CHEMISTRY	MATHS	BIOLOGY	PASSED THE EXAM ?
NITIN	PASS	PASS	FAIL	PASS	**FALSE**
FEROZ	PASS	PASS	PASS	PASS	**TRUE**
ANITHA	PASS	FAIL	PASS	PASS	**?**
MADAN	PASS	PASS	PASS	PASS	**?**
HARRY	PASS	FAIL	PASS	PASS	**?**
SUMITH	FAIL	PASS	PASS	PASS	**?**
HARSH	PASS	PASS	PASS	FAIL	**?**
TRIVEDI	PASS	PASS	FAIL	PASS	**?**
ASHISH	PASS	PASS	PASS	PASS	**?**

IN THIS EXAMPLE, IF STUDENT PASSES ALL THE SUBJECT, THEN HE HAS PASSED THE EXAM

Assignment -24

Use of Formulas - Averageif

Product Name	Units sold
A	250.00
D	110.00
E	300.00
B	50.00
C	45.00
D	23.00
F	25.00
A	90.00
D	450.00
C	23.00
A	250.00
B	25.00

Average of B	37.5
Average of D	194.3333333

Student	Semester	Score
John	second	90
gary	Third	77
Richa	second	80
Hari	second	65
Tom	Third	45
Will	Third	55

Average semester score

Second	78.33333333
Third	59

Zone	City	Sales
South	Chennai	25000
East	Patna	12000
North	Delhi	4200
North	Kanpur	5600
West	Gandhinagar	15000
East	Hubli	7000
South	Manglore	5200
North	Chandigarh	6000
West	Pune	8500
south	Hyderabad	12000

oduct Nar	Units sold
A	250.00
D	110.00
E	300.00
B	50.00
C	45.00
D	23.00
F	25.00
A	90.00
D	450.00
C	23.00

North	Meerut	4300
West	Nagpur	1200

A	250.00
B	25.00

Average of West zone
8233.33

Avg of Units Sold above 250	375
Avg of Units Sold below 100	40.143

Assignment -25

Use of Developer Tab -Draw Check Box

Tasks	Completion
Book flight tickets	
Book Hotel	
Book a table in Restaurant	
Book Return Flight Tickets	

Task	Status
Make Bed After Waking Up	
Make Coffee	
Water Plants	
Feed the Cat	
Read Mail	
Do Laundry	

	Task	Status	
1	Clean the house		TRUE
1	Prepare Guest List		TRUE
1	Plan Activities		TRUE
1	Plan Menu for Food		TRUE
	Plan Drinks		TRUE
	Decorate Home		FALSE
1	Invite Friends		TRUE

FALSE
TRUE
FALSE
TRUE
TRUE

Assignment -26

Use of If and Vlookup -Compare List 1 to List 2

List 1	List 2	Result
Raj	Ankita	Not Matching
Rohit	Rohit	Matching
Kajal	Abhay	Not Matching
Rohan	Rohan	Matching
Akshay	Puneet	Not Matching

IF(A9=B9,"Matching","Not Matching")

List 1	List 2	Result
343749	160466	160466
183257	183258	Value not in List 1
160466	249447	249447
249447	343749	343749
532765	356160	Value not in List 1
356163	379391	379391
455292	455292	455292
379391	532765	532765

VLOOKUP(F12,E5:E12,1,0)

Color List-1	Result	Color List-2
Red	Red	Red
Yellow	Yellow	Yellow
Green	Green	Grey
Blue	#N/A	Green
Orange	Orange	Orange
White	#N/A	Black

VLOOKUP(A17,E17:E22,1,FALSE)

Assignment -27

Use of Concatenate

Emp ID	First Name	Last Name	Full Name
D21	Vishal	Mohan	Vishal Mohan
D22	John	Mathew	John Mathew
D23	Jamemah	Powel	Jamemah Powel
D24	Arundhati	Swaminathan	Arundhati Swaminathan
D25	Peter	Potter	Peter Potter
D26	Roger	Williams	Roger Williams

= **CONCATENATE(B5," ",C5)**

Emp ID	First Name	Last Name	Full Name
D21	Vishal	Mohan	Vishal Mohan
D22	John	Mathew	John Mathew
D23	Jamemah	Powel	Jamemah Powel
D24	Arundhati	Swaminathan	Arundhati Swaminathan
D25	Peter	Potter	Peter Potter
D26	Roger	Williams	Roger Williams

= **B16&" "&C16**

Assignment -28

Use of Counta, Countif, Countifs, Vlookup and Index with Match

Employee Database				
Date	**Emp Id**	**Name**	**Designation**	**KRA**
1/11/2018	1101	ARUN	MIS-OPERATION	SALES
1/11/2018	1102	ASHOK	OPERATION	PHP
3/11/2018	1103	BISWAS	SOFTWARE ENG	JAVA
3/11/2018	1104	DINESH	SME	MAILS
3/11/2018	1105	ESHWAR	PROGRAMMER	C++
6/11/2018	1106	FAHAD	PROGRAMMER	DOT NET
6/11/2018	1107	GANGA	SOFTWARE ASSOCIATE	TESTING
8/11/2018	1108	HEMA	NETWORK ENG	SERVER
8/11/2018	1109	FARZANA	SALES EXECUTIVE	SALES
8/11/2018	1110	AYESH	SALES EXECUTIVE	AMAZON
9/11/2018	1111	PRAVEEN	SALES EXECUTIVE	AMAZON
9/11/2018	1109	FARZANA	SALES EXECUTIVE	AMAZON
10/11/2018	1112	VISHAL	SALES EXECUTIVE	GROFFERS
10/11/2018	1113	VISHNU	SALES EXECUTIVE	PAYTM
10/11/2018	1114	KRISHNA	SALES EXECUTIVE	PAYTM
10/11/2018	1115	ABHISHEK	SALES EXECUTIVE	MYNTRA
11/11/2018	1109	FARZANA	SALES EXECUTIVE	AMAZON
11/11/2018	1116	FARZANA BANU	SALES EXECUTIVE	MYNTRA
11/11/2018	1116	FARZANA BANU	SALES EXECUTIVE	MYNTRA
11/11/2018	1116	FARZANA BANU	SALES EXECUTIVE	MYNTRA
1-Nov-18	1010	VAMSEE KRISHNA	BRAND MANAGER	MARKETING

3213

ABHISHEK

ABHISEK

HEMA

Q.1 How Many Employee? Use of Counta

Q.2 How Many Employee in Sales Executive? Use of Countif

Q.3 How Many Employee Sales Executive in Amazone and Myntra? Use of Countifs

Q.4 Employee Dinesh and Vishal Post and KRA? use of Vlookup

Q.5 Employee Abhishek and Hema Emp id? Use of Index with Match

MIS-OPERATION		
	1	1
	1	4
	2	
	3	
	1	1
EMID	1	1
#N/A	2	
	3	
	1	1
	1	1
	NULL	4
	1	1
	1	1
		4
	2	

Assignment -29

Use of Vlookup One Sheet to Another Sheet

Sheet 1- Data

Emp Id	First Name	Last Name	Department	Location
101	Donald	Patrick	Finance	Banglore
102	Samuel	Samson	Marketing	Hyderabad
103	Ian	Jacob	Finance	Hyderabad
104	David	Johnson	Marketing	Pune
105	Ian	Smith	Marketing	Banglore
106	Henry	Madrid	IT	Pune
107	Ronica	Brave	Finance	Hyderabad
108	Christine	Salvi	Marketing	Banglore
109	Andrew	Baisley	IT	Hyderabad
110	Erica	Irons	IT	Pune

Sheet 2- Use of Vlookup

Emp Id	First Name	Last Name	Department	Location
101	Donald	Patrick	Finance	Banglore
103	?	?	?	?
102	?	?	?	?
105	?	?	?	?
108	?	?	?	?
106	?	?	?	?
107	?	?	?	?
104	?	?	?	?
109	?	?	?	?
110	?	?	?	?

Emp Id	First Name	Last Name
101	Donald	Patrick
103	Ian	Jacob
102	Samuel	Samson
105	Ian	Smith
108	Christine	Salvi
106	Henry	Madrid
107	Ronica	Brave
104	David	Johnson
109	Andrew	Baisley
110	Erica	Irons

Department	Location
Finance	Banglore
Finance	Hyderabad
Marketing	Hyderabad
Marketing	Banglore
Marketing	Banglore
IT	Pune
Finance	Hyderabad
Marketing	Pune
IT	Hyderabad
IT	Pune

Assignment -30

Get Pivot Table

Date of Sale	Month	Sales Amt
19/1/2018	January	201,440
16/1/2018	January	352,519
22/1/2018	January	172,406
12/1/2018	January	240,000
5/2/2018	February	15,205
2/2/2018	February	24,327
13/2/2018	February	50,549
15/2/2018	February	15,106
15/2/2018	February	19,901
9/2/2018	February	15,205
22/2/2018	February	300,000
26/2/2018	February	150,000
26/2/2018	February	330,553
26/2/2018	February	163,282
27/2/2018	February	564,030
28/2/2018	February	503,599
28/2/2018	February	15,218
28/2/2018	February	201,440

Pivot Table Result

Month (All)

Date of Sale	Sum of Sales Amt
12/1/2018	240,000
16/1/2018	352,519
19/1/2018	201,440
22/1/2018	172,406
2/2/2018	24,327
5/2/2018	15,205
9/2/2018	15,205
13/2/2018	50,549
15/2/2018	35,007
22/2/2018	300,000
26/2/2018	643,835
27/2/2018	564,030
28/2/2018	720,256
Grand Total	3,334,777

Assignment -31

USE OF HLOOKUP

Months	January	February	March	April	May	June
Sale	240	180	310	445	650	700

Months	April
Sale	445

Name	Roger	Mat	Jim	Cole	Ricky	Mary
Science	36	45	52	66	75	40
English	82	71	56	32	81	66
Maths	32	45	52	51	71	74

Marks in English	82	71	56	32	81

Name	Roger	Mat	Jim	Cole	Ricky	Mary
Science	36	45	52	66	75	40
English	82	71	56	32	81	66
Maths	32	45	52	51	71	74

Marks in Maths	

EMP	FIS6067	FIS5228	FIS6799	FIS1149	FIS5834
SALES1	66	43	36	82	89
SALES2	51	83	41	125	79
SALES3	35	97	92	41	39
SALES4	84	76	35	48	37
SALES5	110	77	90	37	34

EMP	FIS1149
Sales 4	?

Temperature (In Celsius)	21	33	39	42	50
Cities	New Delhi	Patna	Mumbai	Pune	Bangalore

emperatu	40
City	?

Employee	Albert	Aaron	Albama	Abeey	Carol	Cathy
Sales	200	125	320	250	300	421

Employee	Cat
Sales	?

Assignment -32

USE OF NESTEDIF

Name	Total Numbers Earned	Grade earned
John Wilkins	92	0
Steve Harrington	88	A
Edward Clark	94	A+
Jimmy Chemberlin	84	B+
Alex Wilkins	95	A+
Patty Scott	78	B
Andrew Williams	59	D
Emilia johnson	43	F
Anthony Rogers	90	A+

Condition List

90-100	A+
85 - < 90	A
80 - < 85	B+
75 - < 80	B
70 - < 75	C+
65 - < 70	C
60 - < 65	D+
50 - < 60	D
< 50	F

Sl #	Month	Salary
1	January	777,307
2	February	590,235
3	March	585,683
4	April	740,995
5	May	756,502
6	June	626,126
7	July	668,352
8	August	698,558
9	September	562,835
10	October	564,996
11	November	632,549
12	December	702,812

Month Number	3
Salary	#N/A

=VLOOKUP(H2,$A$2:$C$13,3,0)

Assignment -33

Merge Table 1,2 & 3 Using Vlookup

Table 1	
Emp ID	Emp Name
Prd001	Raju
Prd002	Ramesh
Prd003	Ramila
Prd004	Rajeshwari
Prd005	Karan
Prd006	Rohith
Prd007	Jacob
Prd008	Fleming
Prd009	Navya
Prd010	Kavya
Prd011	Santosh
Prd012	Shankar
Prd013	Rajesh
Prd014	Mahesh
Prd015	Hemaraj
Prd016	Nagaraj
Prd017	Johson
Prd018	David
Prd019	Anderson
Prd020	Peter

Table 2	
Emp ID	Dept
Prd001	Sales
Prd002	Operations
Prd003	Marketing
Prd013	Marketing
Prd014	Sales
Prd015	IT
Prd016	Operations
Prd017	Sales
Prd020	Sales
Prd004	HR
Prd005	Finance
Prd006	IT
Prd018	Marketing
Prd019	Marketing
Prd007	Marketing
Prd008	IT
Prd009	Sales
Prd010	Finance
Prd011	Operations
Prd012	Finance

Table 3	
Emp ID	Salary
Prd001	92,671
Prd002	84,120
Prd003	50,793
Prd004	77,833
Prd005	58,914
Prd006	51,096
Prd015	88,965
Prd016	63,288
Prd017	45,742
Prd018	88,354
Prd019	76,641
Prd020	61,678
Prd007	83,735
Prd008	74,418
Prd009	51,366
Prd010	54,600
Prd011	93,509
Prd012	80,105
Prd013	60,802
Prd014	76,260

		Result	
Emp ID	Emp Name	Department	Salary
Prd001	Raju	Sales	92,671
Prd002	Ramesh	Operations	84,120
Prd003	Ramila	Marketing	50,793
Prd004	Rajeshwari	HR	77,833

Prd005	Karan	Finance	58,914
Prd006	Rohith	IT	51,096
Prd007	Jacob	Marketing	83,735
Prd008	Fleming	IT	74,418
Prd009	Navya	Sales	51,366
Prd010	Kavya	Finance	54,600
Prd011	Santosh	Operations	93,509
Prd012	Shankar	Finance	80,105
Prd013	Rajesh	Marketing	60,802
Prd014	Mahesh	Sales	76,260
Prd015	Hemaraj	IT	88,965
Prd016	Nagaraj	Operations	63,288
Prd017	Johson	Sales	45,742
Prd018	David	Marketing	88,354
Prd019	Anderson	Marketing	76,641
Prd020	Peter	Sales	61,678

Assignment -34

Use of Sumif

Owner	Product Class	Quantity Sold
Ben	A1	4615
Jeff	A4	2345
Ben	C3	11282
Jeff	C14	4159
Jenny	A12	7802
Ben	B3	8486
Jeff	B7	3384
Jenny	B11	3422

Total Quantity Sold By Ben	24383
Total Quantity Sold By Jenny	24383
Total Quantity Sold By Ben & Jenny	35607
Total Quantity Sold By Ben & Jenny	11224
	3384

SUMIF(A2:A9,"Ben",C2:C9)+SUMIF(A2:A9,"Jenny",C2:C9)

Owner	Product Class	Quantity Sold
Ben	A1	4615
Jeff	A4	2345
Ben	C3	11282
Jeff	C14	4159
Jenny	A12	7802
Ben	B3	8486
Jeff	B7	3384
Jenny	B11	3422

Total Quantity Sold By Ben & Jenny	35607
Total Quantity Sold By Jeff & Jenny	

SUMIF(A2:A9,"Ben",C2:C9)+SUMIF(A2:A9,"Jenny",C2:C9)

Assignment -35

Use of SUMPRODUCT & VLOOKUP

Product	Qt.	Price
Bulb	20	10
Tube light	15	20
Heater	5	35
CFL	10	6
charger	8	8
	RESULT	**799**

799

SUMPRODUCT(B5:B9,C5:C9)

USE OF VLOOKUP TABLE 1 TO TABLE 2

Table 1	
City Code	Pin Code
415930	U_362
100847	Z_143
592629	F_103
26531	N_148
333812	L_120
261178	G_455
131380	E_195
568870	E_41
357335	O_62
692273	B_277
530883	V_318
124354	J_446
430230	P_18
474386	T_84
62142	J_264
313357	X_296
543456	X_112

Table 2	
City Code	Pin Code
415930	U_362
100847	Z_143
592629	F_103
26531	N_148
333812	L_120
261178	G_455
131380	E_195
568870	E_41
357335	O_62
692273	B_277
530883	V_318
124354	J_446
430230	P_18
474386	T_84
62142	J_264
313357	X_296
543456	X_112

74285	J_430
80125	I_159
715820	F_10

74285	J_430
80125	I_159
715820	F_10

Assignment -36

USE OF VLOOKUP

Emp	First Name	Dept	Region	Salary	INCENTIVE	Bonus	TA
1	Raja	Sales	north	15625	100	900	100
2	Suman	Sales	east	12500	100	900	200
3	Beena	Mktg	north	8750	200	800	100
4	Seema	R&D	north	15000	300	700	100
5	Julie	R&D	north	8875	300	700	100
6	Neena	R&D	north	8875	300	700	100
7	Pankaj	Sales	north	10625	100	900	100
8	Andre	Mktg	east	11250	200	800	200
9	Sujay	Finance	west	10625	400	600	300
10	Shilpa	Admin	north	15000	500	500	100
11	Meera	Finance	east	13750	400	600	200
12	Sheetal	Director	south	35000	600	400	400
13	K. Sita	Personal	north	10625	700	300	100
14	Priya	Personal	north	10625	700	300	100
15	Aalok	Admin	east	11250	500	500	200
16	Aakash	Admin	west	11250	500	500	300
17	Parvati	Mktg	north	7500	200	800	100

Dept	INCENTIV	Bonus
Sales	100	900
Mktg	200	800
R&D	300	700
Finance	400	600
Admin	500	500
Director	600	400
Personal	700	300
CCD	800	200

Region	TA
north	100
east	200
west	300
south	400

Q.1 How many Emloyee in Sales and Mktg Department.

Q.2 How Many salary in Sales Department.

Q.3 How many Employee Department Sales, North Region Salary. employee in sales department

Q.4 How many Employee Department Sales and Region north.

Q.5 If Salary Greater Then 15000, "A", if salary Greater Then 10000, "B" otherwise "C". north region salary

3

111500

Assignment -37

USE OF VLOOKUP

WITH CONDITION TRUE/FALSE

Emp	First Name	Dept	Salary	Incentive	Grade
1	Raja	Sales	15,625	20%	D
2	Suman	Sales	12,500	15%	?
3	Beena	Mktg	8,750	?	?
4	Seema	R&D	15,000	?	?
5	Julie	R&D	8,875	?	?
6	Neena	R&D	8,875	?	?
7	Pankaj	Sales	10,625	?	?
8	Andre	Mktg	11,250	?	?
9	Sujay	Finance	10,625	?	?
10	Shilpa	Admin	15,000	?	?
11	Meera	Finance	13,750	?	?
12	Sheetal	Director	35,000	?	?
13	K. Sita	Personal	10,625	?	?
14	Priya	Personal	10,625	?	?
15	Aalok	Admin	11,250	?	?
16	Aakash	Admin	11,250	?	?
17	Parvati	Mktg	7,500	?	?
18	Farhan	Mktg	4,250	?	?
19	Satinder Kaur	Mktg	5,625	?	?
20	Suchita	Mktg	5,625	?	?
21	Shazia	Mktg	5,625	?	?
22	Pooja	Sales	10,625	?	?
23	Jasbinder	R&D	5,625	?	?
24	Bharat	Sales	13,750	?	?
25	Rishi	Sales	9,375	?	?

CONDITION

salary s	incentive	grade
1	5%	A
5001	10%	B
10001	15%	C
15001	20%	D
20001	25%	E
25001	30%	F
30001	35%	G
35001	40%	H

26	Mala	R&D	7,500	?	?
27	Hajra	Admin	6,875	?	?
28	Aalam	Personal	10,125	?	?
29	Giriraj	R&D	11,250	?	?
30	Ankur	CCD	11,250	?	?
31	Tapan	CCD	5,000	?	?
32	Zarina	CCD	6,250	?	?
33	Arun	Mktg	6,625	?	?
34	Pooja	Personal	8,375	?	?
35	Shilpa	Finance	17,500	?	?
36	Chitra	Finance	17,500	?	?
37	Sheetal	Finance	17,500	?	?
38	Richa	Sales	7,500	?	?
39	Kirtikar	Admin	5,625	?	?
40	Pooja	R&D	9,500	?	?

Assignment -38

USE OF DATEDIF FORMULAS CALCULATE DOB

FirstDate	SecondDate	Interval	Difference	
1-Jan-60	10-May-70	days	3782	=DATEDIF(C4,D4,"d")
1-Jan-60	10-May-70	months	124	=DATEDIF(C5,D5,"m")
1-Jan-60	10-May-70	years	10	=DATEDIF(C6,D6,"y")
1-Jan-60	10-May-70	yeardays	130	=DATEDIF(C7,D7,"yd")
1-Jan-60	10-May-70	yearmonths	4	=DATEDIF(C8,D8,"ym")
1-Jan-60	10-May-70	monthdays	9	=DATEDIF(C9,D9,"md")

What Does It Do?

This function calculates the difference between two dates.

It can show the result in weeks, months or years.

Syntax

=DATEDIF(FirstDate,SecondDate,"Interval")

FirstDate : This is the earliest of the two dates.

SecondDate : This is the most recent of the two dates.

"Interval" : This indicates what you want to calculate.

These are the available intervals.

"d"	Days between the two dates.
"m"	Months between the two dates.
"y"	Years between the two dates.
"yd"	Days between the dates, as if the dates were in the same year.
"ym"	Months between the dates, as if the dates were in the same year.
"md"	Days between the two dates, as if the dates were in the same month and year.

Formatting

No special formatting is needed.

Birth date :	1-Jan-60

Years lived :	63	=DATEDIF(C8,TODAY(),"y")
and the months :	11	=DATEDIF(C8,TODAY(),"ym")
and the days :	5	=DATEDIF(C8,TODAY(),"md")

You can put this all together in one calculation, which creates a text version.

Age is 63 Years, 11 Months and 5 Days

="Age is "&DATEDIF(C8,TODAY(),"y")&" Years, "&DATEDIF(C8,TODAY(),"ym")&" Months and "&DATEDIF(C8,TODAY(),"md")&" Days"

Assignment -39

USE OF DAVERAGE

Product	Wattage	Life Hours	Brand	Unit Cost	Box Quantity	Boxes In Stock	Value Of Stock
Bulb	200	3000	Horizon	£4.50	4	3	£54.00
Neon	100	2000	Horizon	£2.00	15	2	£60.00
Spot	60						£0.00
Other	10	8000	Sunbeam	£0.80	25	6	£120.00
Bulb	80	1000	Horizon	£0.20	40	3	£24.00
Spot	100	unknown	Horizon	£1.25	10	4	£50.00
Spot	200	3000	Horizon	£2.50	15	0	£0.00
Other	25	unknown	Sunbeam	£0.50	10	3	£15.00
Bulb	200	3000	Sunbeam	£5.00	3	2	£30.00
Neon	100	2000	Sunbeam	£1.80	20	5	£180.00
Bulb	100	unknown	Sunbeam	£0.25	10	5	£12.50
Bulb	10	800	Horizon	£0.20	25	2	£10.00
Bulb	60	1000	Sunbeam	£0.15	25	0	£0.00
Bulb	80	1000	Sunbeam	£0.20	30	2	£12.00
Bulb	100	2000	Horizon	£0.80	10	5	£40.00
Bulb	40	1000	Horizon	£0.10	20	5	£10.00

To calculate the Average cost of a particular Brand of bulb.

	Brand	*These two cells are the **Criteria** range.*
Type the brand name :	sunbeam	

Average cost of sunbeam is : £1.24 =DAVERAGE(B3:I19,F3,E23:E24)

Examples

The average Unit Cost of a particular Product of a particular Brand.

Product	Brand
Bulb	Horizon

e average of Horizon Bulb is : £1.16 =DAVERAGE(B3:I19,F3,E49:F50)

This is the same calculation but using the actual name "Unit Cost" instead of the cell address.

£1.16 =DAVERAGE(B3:I19,"Unit Cost",E49:F50)

The average Unit Cost of a Bulb equal to a particular Wattage.

Product	Wattage
Bulb	100

Average of Bulb 100 is : £0.53 =DAVERAGE(B3:I19,"Unit Cost",E60:F61)

The average Unit Cost of a Bulb less then a particular Wattage.

Product	Wattage
Bulb	<100

Average of Bulb <100 is : £0.17 =DAVERAGE(B3:I19,"Unit Cost",E67:F68)

Assignment -40

USE OF DCOUNT

Product	Wattage	Life Hours	Brand	Unit Cost	Box Quantity	Boxes In Stock	Value Of Stock
Bulb	200	3000	Horizon	£4.50	4	3	£54.00
Neon	100	2000	Horizon	£2.00	15	2	£60.00
Spot	60						£0.00
Other	10	8000	Sunbeam	£0.80	25	6	£120.00
Bulb	80	1000	Horizon	£0.20	40	3	£24.00
Spot	100	unknown	Horizon	£1.25	10	4	£50.00
Spot	200	3000	Horizon	£2.50	15	1	£37.50
Other	25	unknown	Sunbeam	£0.50	10	3	£15.00
Bulb	200	3000	Sunbeam	£5.00	3	2	£30.00
Neon	100	2000	Sunbeam	£1.80	20	5	£180.00
Bulb	100	unknown	Sunbeam	£0.25	10	5	£12.50
Bulb	10	800	Horizon	£0.20	25	2	£10.00
Bulb	60	1000	Sunbeam	£0.15	25	1	£3.75
Bulb	80	1000	Sunbeam	£0.20	30	2	£12.00
Bulb	100	2000	Horizon	£0.80	10	5	£40.00
Bulb	40	1000	Horizon	£0.10	20	5	£10.00

Count the number of products of a particular Brand which have a Life Hours rating.

	Brand	*These two cells are the **Criteria** range.*
Type the brand name :	Horizon	

COUNT value of Horizon is : 7 =DCOUNT(B3:I19,D3,E23:E24)

What Does It Do ?

This function examines a list of information and counts the values in a specified column.
It can only count values, the text items and blank cells are ignored.

Syntax

=DCOUNT(DatabaseRange,FieldName,CriteriaRange)

Examples

The count of a particular product, with a specific number of boxes in stock.

Product	Boxes In Stock
Bulb	5

The number of products is : 3 =DCOUNT(B3:I19,H3,E50:F51)

This is the same calculation but using the name "Boxes In Stock" instead of the cell address.

3 =DCOUNT(B3:I19,"Boxes In Stock",E50:F51)

The count of the number of Bulb products equal to a particular Wattage.

Product	Wattage
Bulb	100

The count is : 2 =DCOUNT(B3:I19,"Boxes In Stock",E61:F62)

The count of Bulb products between two Wattage values.

Product	Wattage	Wattage
Bulb	>=80	<=100

The count is : 4 =DCOUNT(B3:I19,"Boxes In Stock",E68:G69)

Assignment -41

USE OF DCOUNTA

Product	Wattage	Life Hours	Brand	Unit Cost	Box Quantity	Boxes In Stock	Value Of Stock
Bulb	200	3000	Horizon	£4.50	4	3	£54.00
Neon	100	2000	Horizon	£2.00	15	2	£60.00
Spot	60						£0.00
Other	10	8000	Sunbeam	£0.80	25	6	£120.00
Bulb	80	1000	Horizon	£0.20	40	3	£24.00
Spot	100	unknown	Horizon	£1.25	10	4	£50.00
Spot	200	3000	Horizon	£2.50	15	1	£37.50
Other	25	unknown	Sunbeam	£0.50	10	3	£15.00
Bulb	200	3000	Sunbeam	£5.00	3	2	£30.00
Neon	100	2000	Sunbeam	£1.80	20	5	£180.00
Bulb	100	unknown	Sunbeam	£0.25	10	5	£12.50
Bulb	10	800	Horizon	£0.20	25	2	£10.00
Bulb	60	1000	Sunbeam	£0.15	25	1	£3.75
Bulb	80	1000	Sunbeam	£0.20	30	2	£12.00
Bulb	100	2000	Horizon	£0.80	10	5	£40.00
Bulb	40	1000	Horizon	£0.10	20	5	£10.00

Count the number of products of a particular Brand.

	Brand	*These two cells are the **Criteria** range.*
Type the brand name :	Horizon	

COUNT value of Horizon is : 8 =DCOUNTA(B3:I19,E3,E23:E24)

What Does It Do ?

This function examines a list of information and counts the non blank cells in a specified column.

It counts values and text items, but blank cells are ignored.

Syntax

=DCOUNTA(DatabaseRange,FieldName,CriteriaRange)

Examples

The count of a product with an unknown Life Hours value.

Product	Life Hours
Bulb	unknown

The number of products is : 1 =DCOUNTA(B3:I19,D3,E50:F51)

This is the same calculation but using the name "Life Hours" instead of the cell address.

1 =DCOUNTA(B3:I19,"Life Hours",E50:F51)

The count of the number of particular product of a specific brand.

Product	Brand
Bulb	Horizon

The count is : 5 =DCOUNTA(B3:I19,"Product",E61:F62)

The count of particular products from specific brands.

Product	Brand
Spot	Horizon
Neon	Sunbeam

The count is : 3 =DCOUNTA(B3:I19,"Product",E68:F70)

Assignment -42

USE OF DMAX

Product	Wattage	Life Hours	Brand	Unit Cost	Box Quantity	Boxes In Stock	Value Of Stock
Bulb	200	3000	Horizon	£4.50	4	3	£54.00
Neon	100	2000	Horizon	£2.00	15	2	£60.00
Spot	60						£0.00
Other	10	8000	Sunbeam	£0.80	25	6	£120.00
Bulb	80	1000	Horizon	£0.20	40	3	£24.00
Spot	100	unknown	Horizon	£1.25	10	4	£50.00
Spot	200	3000	Horizon	£2.50	15	0	£0.00
Other	25	unknown	Sunbeam	£0.50	10	3	£15.00
Bulb	200	3000	Sunbeam	£5.00	3	2	£30.00
Neon	100	2000	Sunbeam	£1.80	20	5	£180.00
Bulb	100	unknown	Sunbeam	£0.25	10	5	£12.50
Bulb	10	800	Horizon	£0.20	25	2	£10.00
Bulb	60	1000	Sunbeam	£0.15	25	0	£0.00
Bulb	80	1000	Sunbeam	£0.20	30	2	£12.00
Bulb	100	2000	Horizon	£0.80	10	5	£40.00
Bulb	40	1000	Horizon	£0.10	20	5	£10.00

To calculate largest Value Of Stock of a particular Brand of bulb.

	Brand	*These two cells are the **Criteria** range.*
Type the brand name :	Horizon	

The MAX value of Horizon is : £60.00 =DMAX(B3:I19,I3,E23:E24)

What Does It Do ?

This function examines a list of information and produces the largest value from a specified column.

Syntax

=DMAX(DatabaseRange,FieldName,CriteriaRange)

Examples

The largest Value Of Stock of a particular Product of a particular Brand.

Product	Brand
Bulb	sunbeam

The largest value is : £30.00 =DMAX(B3:I19,I3,E49:F50)

9.17E+11

This is the same calculation but using the name "Value Of Stock" instead of the cell address.

£30.00 =DMAX(B3:I19,"Value Of Stock",E49:F50)

The largest Value Of Stock of a Bulb equal to a particular Wattage.

Product	Wattage
Bulb	100

The largest Value Of Stock is : £40.00 =DMAX(B3:I19,"Value Of Stock",E60:F61)

The largest Value Of Stock of a Bulb less than a particular Wattage.

Product	Wattage
Bulb	<100

The largest Value Of Stock is : £24.00 =DMAX(B3:I19,"Value Of Stock",E67:F68)

Assignment -43

USE OF DSUM

Product	Wattage	Life Hours	Brand	Unit Cost	Box Quantity	Boxes In Stock	Value Of Stock
Bulb	200	3000	Horizon	£4.50	4	3	£54.00
Neon	100	2000	Horizon	£2.00	15	2	£60.00
Spot	60						£0.00
Other	10	8000	Sunbeam	£0.80	25	6	£120.00
Bulb	80	1000	Horizon	£0.20	40	3	£24.00
Spot	100	unknown	Horizon	£1.25	10	4	£50.00
Spot	200	3000	Horizon	£2.50	15	0	£0.00
Other	25	unknown	Sunbeam	£0.50	10	3	£15.00
Bulb	200	3000	Sunbeam	£5.00	3	2	£30.00
Neon	100	2000	Sunbeam	£1.80	20	5	£180.00
Bulb	100	unknown	Sunbeam	£0.25	10	5	£12.50
Bulb	10	800	Horizon	£0.20	25	2	£10.00
Bulb	60	1000	Sunbeam	£0.15	25	0	£0.00
Bulb	80	1000	Sunbeam	£0.20	30	2	£12.00
Bulb	100	2000	Horizon	£0.80	10	5	£40.00
Bulb	40	1000	Horizon	£0.10	20	5	£10.00

To calculate the total Value Of Stock of a particular Brand of bulb.

	Brand	*These two cells are the **Criteria** range.*
Type the brand name :	Horizon	

he stock value of Horizon is : £248.00 =DSUM(B3:I19,I3,E23:E24)

Syntax

=DSUM(DatabaseRange,FieldName,CriteriaRange)

Examples

The total Value Of Stock of a particular Product of a particular Brand.

Product	Brand
Bulb	sunbeam

Total stock value is : £54.50 =DSUM(B3:I19,I3,E49:F50)

This is the same calculation but using the name "Value Of Stock" instead of the cell address.

£54.50 =DSUM(B3:I19,"Value Of Stock",E49:F50)

The total Value Of Stock of a Bulb equal to a particular Wattage.

Product	Wattage
Bulb	100

Total Value Of Stock is : £52.50 =DSUM(B3:I19,"Value Of Stock",E60:F61)

The total Value Of Stock of a Bulb less than a particular Wattage.

Product	Wattage
Bulb	<100

Total Value Of Stock is : £56.00 =DSUM(B3:I19,"Value Of Stock",E67:F68)

Assignment -44

USE OF FIND & LARGE FORMULA

Text	Letter To Find	Position Of Letter		
Hello	e	2	=FIND(D4,C4)	#VALUE!
Hello	H	1	=FIND(D5,C5)	
Hello	o	5	=FIND(D6,C6)	
Alan Williams	a	3	=FIND(D7,C7)	
Alan Williams	a	11	=FIND(D8,C8,6)	
Alan Williams	T	#VALUE!	=FIND(D9,C9)	

Values
120
800
100
120
250

Highest Value	800	=LARGE(C4:C8,1)
2nd Highest Value	250	=LARGE(C4:C8,2)
3rd Highest Value	120	=LARGE(C4:C8,3)
4th Highest Value	120	=LARGE(C4:C8,4)
5th Highest Value	100	=LARGE(C4:C8,5)

What Does It Do ?

This function examines a list of values and picks the value at a user specified position in the list.

Syntax

=LARGE(ListOfNumbersToExamine,PositionToPickFrom)

Formatting

No special formatting is needed.

Example

The following table was used to calculate the top 3 sales figures between Jan, Feb and Mar.

Sales	Jan	Feb	Mar
North	£5,000	£6,000	£4,500
South	£5,800	£7,000	£3,000
East	£3,500	£2,000	£10,000
West	£12,000	£4,000	£6,000

Highest Value	£12,000	=LARGE(D24:F27,1)
2nd Highest Value	£10,000	=LARGE(D24:F27,2)
3rd Highest Value	£7,000	=LARGE(D24:F27,3)

Note

Another way to find the Highest and Lowest values would have been to use the =MAX() and =MIN() functions.

Highest	£12,000	=MAX(D24:F27)
Lowest	£2,000	=MIN(D24:F27)

Assignment -45

USE OF LEFT, FIND, LEN,LOWER, NETWORKDAYS

USE OF LEFT

Text	Number Of Characters Required	Left String
Alan Jones	1	A
Alan Jones	2	Al
Alan Jones	3	Ala
Cardiff	6	Cardif
ABC123	4	ABC1

LEFT(A5,B5)

USE OF LEFT AND FIND

Full Name	First Name
Alan Jones	Alan
Bob Smith	Bob
Carol Williams	Carol

=LEFT(A12,FIND(" ",A12)-1)

USE OF LEN

Text	Length
Alan Jones	10
Bob Smith	?
Carol Williams	?
Cardiff	?
ABC123	?

=LEN(A18)

USE OF LOWER

Upper Case Text	Lower Case
ALAN JONES	alan jones
BOB SMITH	?
AROL WILLIAM	?
CARDIFF	?
ABC123	?

=LOWER(A27)

USE OF NETWORKDAYS

Start Date	End Date	Work Days
1-Mar-98	7-Mar-98	5
25-Apr-98	30-Jul-98	69
24-Dec-98	5-Jan-99	9

=NETWORKDAYS(A36,B36)

Assignment -46

USE OF POWER, PRODUCT, PROPER, REPT

USE OF POWER

Number	Power	Result
3	2	9
3	4	?
5	2	?
5	4	?

=POWER(A5,B5)

USE OF PRODUCT

Numbers		Product
2	3	6
5	10	?
3	7	?
		6300

=PRODUCT(A12,B12)

USE OF PROPER

Original Text	Proper
alan jones	Alan Jones
bob smith	?
caRol wILLIAMS	?
cardiff	?
ABC123	?

=PROPER(A19)

USE OF REPT

Text To Repeat	Number Of Repeats	d Text
A	3	AAA
AB	3	?
-	10	?
|	10	?

=REPT(A27,B27)

Assignment -47

USE OF RIGHT, ROMAN & SMALL

Original Text	Number Of Characters Required	Right String
Alan Jones	1	s
Alan Jones	2	?
Alan Jones	3	?
Cardiff	6	?
ABC123	4	?

=RIGHT(A4,B4)

USE OF ROMAN

Number	Roman
1	I
2	?
3	?
5	?
10	?
1998	?
1998	?
1998	?
1998	?
1998	?
1998	?
1998	?
1998	?

=ROMAN(A13)

USE OF SMALL

Sales	Jan	Feb	Mar
North	£5,000	£6,000	£4,500

South	£5,800	£7,000	£3,000
East	£3,500	£2,000	£10,000
West	£12,000	£4,000	£6,000

Lowest Value	£2,000	=SMALL(D24:F27,1)
2nd Lowest Value	£3,000	=SMALL(D24:F27,2)
3rd Lowest Value	£3,500	=SMALL(D24:F27,3)

Assignment -48

SALESMA	JAN	FEB	MAR	APR	MAY	JUNE	SALES	TARGET	RESULT	comission	
RAMESH	2000	1500	300	1400	1000	1400	7600	10000	NOT ACHIVED	380	5%
RAKESH	5000	1200	500	1200	1200	2800	11900	12000	NOT ACHIVED	595	
RAHUL	3000	800	1200	3000	1500	3500	13000	18000	NOT ACHIVED	650	
POOJA	1000	900	1800	5000	1400	1200	11300	10000	ACHIEVED	1130	
MANOJ	500	1000	2300	8000	1700	1400	14900	12000	ACHIEVED	1490	
ASHOK	800	500	2400	1900	1800	1800	9200	10000	NOT ACHIVED	460	
AJEET	1200	1400	1500	700	2500	7000	14300	12000	ACHIEVED	1430	
ALOK	1500	1800	1800	1800	300	1500	8700	10000	NOT ACHIVED	435	
AMRIT	1800	2500	1700	1500	2800	1800	12100	12000	ACHIEVED	1210	
SURENDR	200	3000	1900	1200	1500	3000	10800	10000	ACHIEVED	1080	
SHASHI	1600	1200	2000	800	1700	800	8100	10000	NOT ACHIVED	405	

target Result

Q.1 How many salesman? Salesman Ajeet Targest & Result? USE OF COUNTA AND VLOOKUP Ajeet 12000

Q.3 Rahul Pooja & Ashok Targest & result? USE OF VLOOKUP

Q.4 How Many Salesman Achived Target. USE OF COUNTIF

Q.5 Which Sales Man Jan Sales 2000, & Feb Sales is 2500? USE OF LOOKUP

Q.6 How Many sales Man sales Jan Months Sales >2000 & March Sales <=1500 ? USE OF COUNTIFS

Q.7 Jan to Target Highlights 2000 between 5000, Font Red & Background Yeloow? USE OF CONDITIONL F

Q.8 If sales Greter then Target then Comission 10% otherwise 5% ? UEE OF IF FUNCTION

Assignment -49

SALESMAN	JAN	FEB	MAR	APR	MAY	JUNE
RAMESH	2000	1500	300	1400	1000	1400
RAKESH	5000	1200	500	1200	1200	2800
RAHUL	3000	800	1200	3000	1500	3500
POOJA	1000	900	1800	5000	1400	1200
MANOJ	500	1000	2300	8000	1700	1400
ASHOK	800	500	2400	1900	1800	1800
AJEET	1200	1400	1500	700	2500	7000
ALOK	1500	1800	1800	1800	300	1500
AMRIT	1800	2500	1700	1500	2800	1800
SURENDRA	200	3000	1900	1200	1500	3000
SHASHI	1600	1200	2000	800	1700	800

Q.1 How many salesman? Salesman Ajeet Targest & Result?

Q.3 Rahul Pooja & Ashok Targest & result?

Q.4 How Many Salesman Achived Target.

Q.5 Which Sales Man Jan Sales 2000, & Feb Sales is 2500?

Q.6 How Many sales Man sales Jan Months Sales >2000 & March Sales <=1500 ?

Q.7 Jan to Target Highlights 2000 between 5000, Font Red & Background Yeloow?

SALES	TARGET	RESULT	rank
7600	10000	NOT ACHIVED	7
11900	12000	NOT ACHIVED	7
13000	18000	NOT ACHIVED	8
11300	10000	ACHIEVED	3
14900	12000	ACHIEVED	2
9200	10000	NOT ACHIVED	1
14300	12000	ACHIEVED	4
8700	10000	NOT ACHIVED	11
12100	12000	ACHIEVED	5
10800	10000	ACHIEVED	6
8100	10000	NOT ACHIVED	8
			10
			#N/A
			#N/A

Err:511

2500

USE OF COUNTA AND VLOOKUP

USE OF VLOOKUP

USE OF COUNTIF

USE OF LOOKUP

USE OF COUNTIF

USE OF CONDITIONAL FORMATTING

Assignment -50

USE OF DATEDIF

NAME	DATE OF BIRTH	DAY	MONTH	YEAR
RAMESH	15/5/1980	21	10	43
RAKESH	20/8/1981	?	?	?
RAHUL	15/10/2003	?	?	?
POOJA	25/5/1990	?	?	?
MANOJ	24/8/1992	?	?	?
ASHOK	23/8/1998	?	?	?
AJEET	12/5/1980	?	?	?
ALOK	18/3/2005	?	?	?
AMRIT	15/8/2007	?	?	?
SURENDR	25/5/2010	?	?	?
SHASHI	25/8/1993	?	?	?

Q.1 HOW MANY STUDENT?

Q.2 STUDENT SURENDRA IS HOW MANY YEAR OLD?

Q.3 HOW MANY STUDENT AGE GREATER THEN 20 YEARS?

Q.4 IF STUDENT AGE IS GREATHER THEN 20 THEN STUDENT ADULT / CHILD?

Q.5 HOW MANY STUDENT AGE IS >= 25 YEARS?