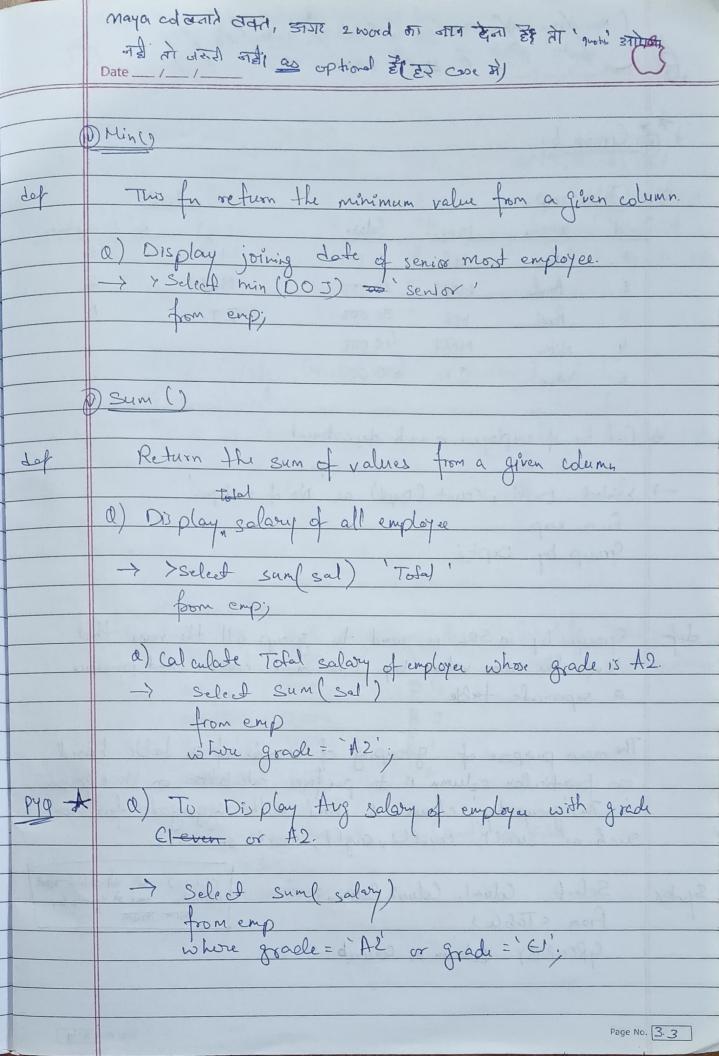
(_	Date/_/ Quelying using SQL/
	Aggregate Function (Group Function)
	+ gt sow it apply star
	DAVG()
Lof	This I lo a a late of the soul has
4	This function compute the average of the given data
	Q1) Write a sal cond to sale late and sale all
	employees in table emp.
	Awa
	-> > Select Avy (sal) "Average" sal Average
	-> ) Select Avy (sal) "Average" sal Average From emp; -
	2 37 Ne Average 1 AT ANG (Sal) -TIT 2 3710711
	ZIL AT AVY (Sal) -TIT & STIVETT
	TEE WASH THE TOP TO THE
Sywlay	AVG (Distinct 1All)
1	anabe well at work municipal and and all
*	
^	(a) Count ()
1.0	This P A:
def	This function count the number of row
	in a given column
	a) To display, the not records in table Ab emp.
	a) To display, the most records in table Ab emp.  > Select count (*) "Total" -   Total
	from emp;
	Page Nd. 3.

	THE RESERVE TO SERVE AND A		2		
	Date / /				
7					
,,,,,	(1) Court the number of Jobs in table emp.				
Name of the last o	Cl) Court the number of Jobs i'n table emp.  Cly Select Court (Job) "Totat"  from emp;				
number 1	fan emo'				
A. Market	TIGM S. P.				
harring the same of the same o	-> > Select count (DISTINCT Job) "Total"				
	from emp',				
J Abl	Job	Total	4		
	Hanger	4			
	Feacher	(12)			
	Setro				
	HR				
137.0	Manager Manager	4			
	MR MR				
	The Thomas I seem the	7114			
	m Max() - treating to pur (see) pun to	100			
	Column det maximum value dette				
	La company dilA fortered Day	0.V4	poly		
Lef	Return the maximum from the given idum.				
	Q) Dis play maximum salary from table emp.  -> Select Max (sal) "Max salary"  from emp;		N. A.		
	> Select Max (sal) Mansalary "				
-	from emp;		- Net		
	in a given Educa				
-	a an it is a second				
117	odeday, the most remain to an ett, value o	1 14			
19701	Solder count (+) Total				
~	S (QM) MOST				
		Page No.	3.5		



,							
*	The Group by						
O	Table: emp						
-	eid ename Dept Salary Dept No. 1 al						
	eid ename Dept Salary Dept No of employee						
	2 Amrit MRKT 20000 MRKT 2 3 Ravi HR 30000 IT						
	4 Nitin MRKT 40000						
	5 Valun IT 50 000						
-	S mun						
	Find no. of employees in each department						
-	amula will a mart deallow to make all and all						
	> > Select Dept, Count (Dept) as No of employees.						
ump.							
	From emp						
um.	Group by Depti						
Sef	Grove by in SQL is 1 - 1 -1 - a HIII						
	Group by in SQL is used to group all the rows that						
1 3.01	have the same values by 1 or more column and produce						
	9 separate table.						
	The main and I am I a						
	The main purpose of grouping of records of a table based						
	So particular column is to perform calculation on these groups.						
	on particular column is to perform calculation on these groups.  The group by clause is used with aggregate functions						
	Such as Suml, count(), ang(), max() or min().						
Symbox	Select Colored Cl oca de 1,2,3- to on select most						
100	Select Column, Column, Column 3 - Col A, b. At of select the of select t						
	GROUPBY Column A, Columb.						
155	N syst						
	Page No. 3.4						

	GROUP by > Alphabetical order it a	net tagtue		
	Date / /			G
	Q Table name: Student	A succession	a constitution and the	Sockly I
	Studiol Name Percentage	Grade	Wate	sal and
	1001 Ajay 79	B		roup by clause
	1002 Galina 67	3	to coun	t the No of
	1003 Atul 87	A alia		to by the grade
	1004 Kundan 63	C	a Land a	had
	1005 Dheeraj 95	0	1	
		- 1		
	> Select Grade, Count C	grade) as 1	Jumber of stude	nto 1
	From Student	or he	oul	fix
	Group by Grade;		Grade 1	tumber of Students
3/4	of siver & mounds water	to energy	B 9 7	- 10 10 th
		Aumotota	And B 1000	2
			С	1
Young)	take tell a jouels who \$	privat a	0	MTX
1)	This has barbilles	no shotion	la large amil	Joseph 1
	al Table: order	irable em	manua m	- A 7 A
	order_id items ant cu	otomer_id	Calculate	Total and
	1 Keyboard 400	4	spend by	each customer
	2 Mouse 300	P Y	smola a	LONG
	3 Nonifor 12000	\$ 3	Line 9 1 might	2
	4 Keyboard 400	\$ 1	-Ling - Land	9
	5 Mouse pad 250	2	edeth	
	75000 Avenus	M	word II	8
	-> > Select customer_id,	sum (ant)	) as Total	P. of
	From order		-	· hub
	Group by customer_id;	rector to	ida sur	00
	" weeks later " ( week		they but	21 4
			Day Place	7
		·to	of und own	2'
		(4)	1 1	
3.6	est eyes			Page No. 3.8

Placing conditions on Group by having clause Syntax Select Coll, Col2...
From < Table\_name) Group by ColA, ColBhaving condition; def Having clause is used to apply a filter on the result of Group by based on contified the specified condition. \* a) What is the difference blu where clause & having clause of SQL select statement The difference blu having & whom clause is that whom clause constitions one available on individual row whomas having clause are applicable on group of row / multiple row. of Table: emp Name Jender Salary Dept Priyou 45000 IT Rahw M 65 000 Sales Nisha Marketing 22 000 Vikram M 75000 Firance Aarti 20 000 IF 1) Display Sum of salary of each department > Select Dept, Sum (salary) Total salary from emp Group by Dept;

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@ Display department where sum of salary is 60k or more 1 Select Dept, sum (salary) from emp Group by Dept having sum (salary) >=60000;