

Example of **GROUP BY & HAVING**

```
SELECT DEP, JOB, AVG(SAL)  
FROM EMPL  
WHERE JOB <> 'M'  
GROUP BY DEP, JOB  
HAVING AVG(SAL) > 28000  
ORDER BY AVG(SAL) DESC
```

BASE TABLE

JOB	SAL	DEP
S	31000	BLU
M	32000	RED
S	30000	BLU
C	27000	GRE
S	33000	GRE
M	31000	BLU
S	32000	RED
C	28000	GRE
S	30000	RED
M	33000	GRE
S	31000	RED
S	35000	GRE
C	27000	BLU
S	29000	RED
S	29000	BLU

GROUP BY DEP, JOB

JOB	SAL	DEP
S	31000	BLU
S	30000	BLU
C	27000	GRE
S	33000	GRE
C	27000	GRE
S	32000	RED
C	28000	GRE
S	30000	RED
S	33000	GRE
C	28000	GRE
S	30000	RED
S	35000	GRE
S	31000	RED
S	35000	GRE
C	27000	BLU
S	29000	RED
S	29000	BLU

GROUP BY

JOB	SAL	DEP
C	27000	BLU

S	31000	BLU
S	29000	BLU
S	30000	BLU

C	27000	GRE
C	28000	GRE

S	33000	GRE
S	35000	GRE

S	32000	RED
S	30000	RED
S	31000	RED
S	29000	RED

SELECT DEP, JOB, AVG(SAL)

JOB	SAL	DEP
S	31000	BLU
S	29000	BLU
S	30000	BLU

BLU	S	30000
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GRE	S	34000
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RED	S	30500
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SELECT

DEP	JOB	AVG(SAL)
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BLU	S	30000
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GRE	S	34000
-----	---	-------

RED	S	30500
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ORDER BY

DEP	JOB	AVG(SAL)
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GRE	S	34000
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RED	S	30500
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BLU	S	30000
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ORDER BY AVG(SAL) DESC