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1  ---- Group By Clause - Assignments:
2  SELECT
3      *
4  FROM
5      employees;
6  ---- 1) Display the deptno which is having the maximum salary and maximum salary more than 1500 earned by the employee and
7  ----job description not as a clerk and sort by descending order
8  SELECT
9      department_id,
10     MAX(salary)
11  FROM
12     employees
13  WHERE
14     job_id NOT LIKE '%CLERK'
15  GROUP BY
16     department_id
17  HAVING
18     MAX(salary) > 1500
19  ORDER BY
20     2 DESC;
21  ---- 2) List the number of employee in each department, except 30, sorted high to low. Only include department with 3 or more
22  employee.
23  SELECT
24     department_id,
25     COUNT(*)
26  FROM
27     employees
28  WHERE
29     department_id <> 30
30  GROUP BY
31     department_id
32  HAVING
33     COUNT(employee_id) > 3
34  ORDER BY
35     2 DESC;
36  --count(employee_id) or count*
37  ---- 3) Display the minimum Salary for each of the job excluding all the employees whose name ends with 'e'
38  SELECT
39     job_id,
40     MIN(salary)
41  FROM
42     employees
43  WHERE
44     last_name NOT LIKE '%e'
45  GROUP BY
46     job_id
47  ORDER BY
48     1;
49  ---- 4) Display the number of employees who has annual salary more than 10000 department-wise
50  SELECT
51     department_id,
52     COUNT(*)
53  FROM
54     employees
55  WHERE
56     salary > ( 10000 / 12 )
57  GROUP BY

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```
57         department_id
58     ORDER BY
59         1;
60     --put them in braces(salary*12) must
61     ---- 5)   Display the max salary for each of the job excluding all the employee whose having commission.
62     SELECT
63         job_id,
64         MAX(salary)
65     FROM
66         employees
67     WHERE
68         commission_pct IS NULL
69     GROUP BY
70         job_id
71     ORDER BY
72         1;
73     ---- 6)   Find the total salary department number wise where more than two employees exists?
74     SELECT
75         department_id,
76         SUM(salary) ,
77         COUNT(*)
78     FROM
79         employees
80     GROUP BY
81         department_id
82     HAVING
83         COUNT(*) > 2
84     ORDER BY
85         1;
86     ---- 7)   Display job wise and department wise least salary only if the least salary is less than 3000 in department 10,30?
87     SELECT
88         job_id,
89         department_id,
90         MIN(salary)
91     FROM
92         employees
93     WHERE
94         department_id IN ( 10, 30 )
95     GROUP BY
96         job_id,
97         department_id
98     HAVING
99         MIN(salary) < 3000
100    ORDER BY
101        1;
102    ---- 8)   List all the employees except those who are working in Dept 30 and 20?
103    SELECT
104        *
105    FROM
106        employees
107    WHERE
108        department_id NOT IN ( 10, 20 )
109    ORDER BY
110        department_id;
111    ---- 9)   Display the department number which are having more than 200 as their commission along with employees whose name
112              having 'A' is one of character.
113    --commission_pct > 0.2
```

```

113  SELECT
114      department_id,
115      SUM(commission_pct) ,
116      AVG(commission_pct)
117  FROM
118      employees
119  WHERE
120      first_name LIKE '%a%'
121      OR first_name LIKE '%A%'
122      OR last_name LIKE '%a%'
123      OR last_name LIKE '%A%'
124      AND commission_pct > 0.2
125  GROUP BY
126      department_id
127  ORDER BY
128      2;
129  ---- 10)  Display department number and total salary whose average salary is greater than 500 for each department.
130  SELECT
131      department_id,
132      SUM(salary) ,
133      AVG(salary)
134  FROM
135      employees
136  --WHERE
137  GROUP BY
138      department_id
139  HAVING
140      AVG(salary) > 500
141  ORDER BY
142      1;
143  ---- 11)  Display Job wise salary of the employees b/w 2000 & 5000 excluding dept no 30 .
144  SELECT
145      job_id,
146      SUM(salary) ,
147      AVG(salary)
148  FROM
149      employees
150  WHERE
151      salary BETWEEN 2000 AND 5000
152      AND department_id != 30
153  GROUP BY
154      job_id
155  ORDER BY
156      1;
157  ---- 12)  display job wise employee names which consist of 5 characters and job designation should be neither salesman nor analyst
158  SELECT
159      job_id,
160      first_name,
161      last_name
162  FROM
163      employees
164  WHERE
165      first_name LIKE '_____'
166      OR last_name LIKE '_____'
167      AND job_id <> 'SA_MAN'
168  ORDER BY
169      1;

```

170 ---- 13) Display the department number along with the number of employees and also employee name?

```
171 SELECT
172     department_id,
173     COUNT (*)
174 FROM
175     employees
176 --WHERE
177 GROUP BY
178     department_id
179 ORDER BY
180     1;
```

```
181
182 SELECT
183     department_id,
184     first_name,
185     last_name
186 FROM
187     employees
188 ORDER BY
189     1;
```

190 --only one comb possible

191 ---- 14) Display department wise maximum and minimum salary of all salesman.

```
192 SELECT
193     department_id,
194     MAX(salary) ,
195     MIN(salary)
196 FROM
197     employees
198 WHERE
199     job_id = 'SA_MAN'
200 GROUP BY
201     department_id
202 ORDER BY
203     1;
```

204 ---- 15) Write a query to display number of employees having Commission in Dept 30?

```
205 SELECT
206     COUNT (*)
207 FROM
208     employees
209 WHERE
210     department_id = 30
211     AND commission_pct IS NOT NULL;
```

212 ---- 16) Display number of employee, total salary paid to employee work in each department?

```
213 SELECT
214     department_id,
215     COUNT (*) ,
216     SUM(salary)
217 FROM
218     employees
219 GROUP BY
220     department_id
221 ORDER BY
222     1;
```

223 ---- 17) Display job wise with a no of employees whose salary is greater than 2000.

```
224 SELECT
225     job_id,
226     COUNT (*)
```

```
227 FROM
228     employees
229 WHERE
230     salary > 2000
231 GROUP BY
232     job_id
233 ORDER BY
234     1;
235 ---- 18) Display maximum salary, minimum salary, average salary of each department
236 SELECT
237     job_id,
238     MAX(salary) ,
239     MIN(salary) ,
240     AVG(salary)
241 FROM
242     employees
243 GROUP BY
244     job_id
245 ORDER BY
246     1;
247 ---- 19) Display number of employees department wise who are having sal greater than 2000 & working as manager.
248 SELECT
249     department_id,
250     COUNT(*)
251 FROM
252     employees
253 WHERE
254     salary > 2000
255     AND job_id LIKE '%MGR'
256 GROUP BY
257     department_id
258 ORDER BY
259     1;
260 ---- 20) display department wise, number of manager.
261 SELECT
262     department_id,
263     COUNT(*)
264 FROM
265     employees
266 WHERE
267     job_id LIKE '%MGR'
268 GROUP BY
269     department_id
270 ORDER BY
271     1;
272 ---- 21) Display minimum salary for each of the job whose name starts with s
273 SELECT
274     job_id,
275     MIN(salary)
276 FROM
277     employees
278 WHERE
279     job_id LIKE 'S%'
280 GROUP BY
281     job_id
282 ORDER BY
283     1;
```

```
284      ---- 22) display the Department names along with the number of employees in it
285
286      SELECT
287          employees.department_id,
288          departments.department_name,
289          COUNT (employees.employee_id)
290      FROM
291          employees,
292          departments
293      WHERE
294          employees.department_id = departments.department_id
295      GROUP BY
296          employees.department_id,
297          departments.department_name
298      ORDER BY
299          1;
300      ---- 23) Display job wise highest hire date if the hire date is greater than 02 Apr 81 from the employee table
301      SELECT
302          job_id,
303          MAX(hire_date)
304      FROM
305          employees
306      WHERE
307          job_id > '02-04-81'
308      GROUP BY
309          job_id
310      ORDER BY
311          1;
312      ---- 24) Display the department number which are having less than 2 employees in them
313      SELECT
314          department_id,
315          COUNT (*)
316      FROM
317          employees
318      GROUP BY
319          department_id
320      HAVING
321          COUNT (*) < 2
322      ORDER BY
323          1;
324      ---- 25) Display the department number which is having clerk in it & having salary more than 1500.
325      SELECT
326          department_id
327      FROM
328          employees
329      WHERE
330          job_id LIKE '%CLERK'
331          AND salary > 1500
332      GROUP BY
333          department_id
334      ORDER BY
335          1;
336      ---- 26) Write the query to get the department and department wise total(sum) salary, display it in descending order according to
337      salary.
338      SELECT
339          department_id,
```

```
340 FROM
341     employees
342 GROUP BY
343     department_id
344 ORDER BY
345     2 DESC;
346 ---- 27) Display branch wise students wherein each branch number of students should not exceed more than 180 and average
percentage of each branch should be at least more than 55.
347 --no such table exists
348 ---- 28) List job with average salary between 1000 and 2000.
349 SELECT
350     job_id,
351     AVG(salary)
352 FROM
353     employees
354 GROUP BY
355     job_id
356 HAVING
357     AVG(salary) BETWEEN 1000 AND 2000
358 ORDER BY
359     1;
360 ---- 29) Write the query to get the department and department wise total salary from employee details table
361 SELECT
362     department_id,
363     SUM(salary)
364 FROM
365     employees
366 GROUP BY
367     department_id
368 ORDER BY
369     1;
370 ---- 30) Display the number of employees department-wise, whose job has character R in it
371 SELECT
372     department_id,
373     COUNT(*)
374 FROM
375     employees
376 WHERE
377     job_id LIKE '%r%'
378     OR job_id LIKE '%R%'
379 GROUP BY
380     department_id
381 ORDER BY
382     1;
383 ---- 31) Display hiredate wise the employee working as clerk in department 20 &30 having salary more than 1000
384 SELECT
385     hire_date,
386     AVG(salary)
387 FROM
388     employees
389 WHERE
390     job_id LIKE '%CLERK'
391     AND department_id IN ( 20, 30 )
392     AND salary > 1000
393 GROUP BY
394     hire_date
395 ORDER BY
```

```
396         1;
397     -- name deptid jobid cant be taken
398     ---- 32) Department wise average salary from employee table order by salary ascending ?
399     SELECT
400         department_id,
401         AVG(salary)
402     FROM
403         employees
404     GROUP BY
405         department_id
406     ORDER BY
407         2;
408
409     ---- 33) Display the department numbers along with employee names having salary greater than or equal to 1500?
410     SELECT
411         department_id,
412         first_name,
413         last_name,
414         salary
415     FROM
416         employees
417     WHERE
418         salary >= 1500
419     ORDER BY
420         1;
421     ---- 34) List all the salesman in Dept number 20 and having salary greater than 950?
422     SELECT
423         *
424     FROM
425         employees
426     WHERE
427         job_id = 'SA_MAN'
428         AND department_id = 20
429         AND salary > 950
430     ORDER BY
431         1;
432     ---- 35) Display the deptno. Which is having more than 1 reporting manager.
433     SELECT
434         department_id,
435         COUNT(DISTINCT manager_id)
436     FROM
437         employees
438     GROUP BY
439         department_id
440     HAVING
441         COUNT(DISTINCT manager_id) > 1
442     ORDER BY
443         1;
444     ---- 36) Display year wise joining date along with department number and job.
445     SELECT
446         hire_date
447     FROM
448         employees
449     GROUP BY
450         year(hire_date)
451     ORDER BY
452         1;
```



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453  ---- 37) Display each employee of annual salary and excluding ename start with 's'
454  SELECT
455      first_name,
456      12 * salary AS annualsal
457  FROM
458      employees
459  WHERE
460      first_name NOT LIKE 'S%'
461  ORDER BY
462      1;
463  ---- 38) Display student. Name who are having more than 60 percent?
464  -- no table found
465  ---- 39) Display job wise total salary.
466  SELECT
467      job_id,
468      SUM(salary)
469  FROM
470      employees
471  GROUP BY
472      job_id
473  ORDER BY
474      1;
475  ---- 40) display jobwise max salary except Analyst,president?
476  -- no analyst found
477  SELECT
478      job_id,
479      MAX(salary)
480  FROM
481      employees
482  WHERE
483      job_id NOT LIKE '%PRES'
484  GROUP BY
485      job_id
486  ORDER BY
487      1;
488  ---- 41) Write the query to get the department, total number of departments, total salary with respect to department from
489  employee table?
490  SELECT
491      department_id,
492      COUNT(department_id),
493      SUM(salary)
494  FROM
495      employees
496  GROUP BY
497      department_id
498  ORDER BY
499      1;
500  --total number of depid retuen #of emp in table 2nd col is futile
501  ---- 42) Display total salary to distribute job wise in the year 81.
502  SELECT
503      job_id,
504      SUM(salary)
505  FROM
506      employees
507  WHERE
508      hire_date LIKE '____-__-81'
509  GROUP BY

```

```
509         job_id
510     ORDER BY
511         1;
512 ---- 43) Display the number of employees jobwise and are having reporting manager
513 SELECT
514     job_id,
515     COUNT (*)
516 FROM
517     employees
518 WHERE
519     manager_id IS NOT NULL
520 GROUP BY
521     job_id
522 ORDER BY
523     1;
524 ---- 44) Display job wise hiredate in descending order for those who receive commission.
525 SELECT
526     job_id,
527     hire_date
528 FROM
529     employees
530 WHERE
531     commission_pct IS NOT NULL
532 ORDER BY
533     2 DESC;
534 ---- 45) Display min salary for each of the job for employee name whose name starting with A.
535 SELECT
536     job_id,
537     MIN(salary)
538 FROM
539     employees
540 WHERE
541     first_name LIKE 'A%'
542 GROUP BY
543     job_id
544 ORDER BY
545     1;
546 ---- 46) Display Department wise number of salesman
547 SELECT
548     department_id,
549     COUNT (*)
550 FROM
551     employees
552 WHERE
553     job_id = 'SA_MAN'
554 GROUP BY
555     department_id
556 ORDER BY
557     1;
558 ---- 47) Display the Department numbers which are having more than 2 employees in them
559 SELECT
560     department_id,
561     COUNT (*)
562 FROM
563     employees
564 GROUP BY
565     department_id
```

```
566     HAVING
567         COUNT(*) > 2
568     ORDER BY
569         1;
570 ---- 48) Display the Dept numbers along with the number of employees and reporting managers in it
571     SELECT
572         department_id,
573         COUNT(*) ,
574         COUNT(manager_id) ,
575         COUNT(DISTINCT manager_id)
576     FROM
577         employees
578     WHERE
579         manager_id IS NOT NULL
580     GROUP BY
581         department_id
582     ORDER BY
583         1;
584 ---- 49) Display all the minimum salary for each of the job including all the employees whole name ends with 'S'
585     SELECT
586         job_id,
587         MIN(salary)
588     FROM
589         employees
590     WHERE
591         last_name LIKE '%s'
592     GROUP BY
593         job_id
594     ORDER BY
595         1;
596 ---- 50) Display the department number in which employees names having a string man,and having salary more than 1000
597     SELECT
598         department_id
599     FROM
600         employees
601     WHERE
602         first_name LIKE '%man%'
603         OR last_name LIKE '%man%'
604         AND salary > 1000
605     GROUP BY
606         department_id
607     ORDER BY
608         1;
609 ---- 51) Display the deptno which is having more then 3 salesman in it.
610     SELECT
611         department_id,
612         COUNT(*)
613     FROM
614         employees
615     WHERE
616         job_id LIKE 'SA_MAN'
617     GROUP BY
618         department_id
619     HAVING
620         COUNT(*) > 3
621     ORDER BY
622         1;
```

```
623      ---- 52) Display deptno, job, employee name and having a salary greater than 2000 and having the total salary in each dept and
624      excluding deptno 20 and sort it by descending order
625      SELECT
626          department_id,
627          SUM(salary)
628      FROM
629          employees
630      WHERE
631          salary > 2000
632          AND department_id <> 20
633      GROUP BY
634          department_id
635      ORDER BY
636          2 DESC;
637      -- job_id, first_name, last_name, this is not possible
638      ---- 53) Query to find Max Salary from each MGR.
639      SELECT
640          job_id,
641          MAX(salary)
642      FROM
643          employees
644      WHERE
645          job_id LIKE '%MGR'
646      GROUP BY
647          job_id
648      ORDER BY
649          1;
650      ---- 54) Write the query to get department and department wise total salary display it in ascending order according to salary
651      SELECT
652          department_id,
653          SUM(salary)
654      FROM
655          employees
656      GROUP BY
657          department_id
658      ORDER BY
659          2;
660      ---- 55) Write a query to display the number of managers department-wise
661      SELECT
662          department_id,
663          COUNT(manager_id),
664          COUNT(DISTINCT manager_id)
665      FROM
666          employees
667      GROUP BY
668          department_id
669      ORDER BY
670          1;
671      ---- 56) Display job wise total salary who is working as clerk or manager having SALARY more than 1500 without commission
672      SELECT
673          job_id,
674          SUM(salary)
675      FROM
676          employees
677      WHERE
678          job_id LIKE '%MGR'
679          OR job_id LIKE '%CLERK'
```

```
679         AND salary > 1500
680         AND commission_pct IS NULL
681     GROUP BY
682         job_id
683     ORDER BY
684         1;
685 ---- 57) Display the department , no of employee in a department , total salary with respect to a department from employee table
order by total salary descending ?
686     SELECT
687         department_id,
688         COUNT(*) ,
689         SUM(salary)
690     FROM
691         employees
692     GROUP BY
693         department_id
694     ORDER BY
695         3 DESC;
696 ---- 58) Write a query to display department wise number of manager?
697     SELECT
698         department_id,
699         COUNT(*)
700     FROM
701         employees
702     WHERE
703         job_id LIKE '%MGR'
704     GROUP BY
705         department_id
706     ORDER BY
707         1;
708 -- other way is to count reporting managers like distince manager id
709 ---- 59) list all the employees who's name is having at least 2 A's in it?
710     SELECT
711         *
712     FROM
713         employees
714     WHERE
715         first_name LIKE '%a%a%'
716         OR last_name LIKE '%a%a%'
717     ORDER BY
718         1;
719 ---- 60) Display job,deptno. Having more employees in a year 81.
720     SELECT
721         job_id,
722         department_id,
723         hire_date
724     FROM
725         employees
726     WHERE
727         hire_date LIKE '__-__-81'
728     ORDER BY
729         1;
730 ---- 61) Display month wise joining date along with reporting manager and salesman.
731     SELECT
732         hire_date,
733         job_id,
734         manager_id
```

```
735 FROM
736     employees
737 GROUP BY
738     hire_date,
739     job_id,
740     manager_id
741 ORDER BY
742     1;
743 ---cant do group by
744 ---- 62) Display job wise least salary along with their MGR Name.
745 SELECT
746     job_id,
747     MIN(salary) ,
748     manager_id
749 FROM
750     employees
751 GROUP BY
752     job_id,
753     manager_id
754 ORDER BY
755     1;
756 ---- 63) Display deptno,along with their job designation consist of a string 'ER'
757 SELECT
758     department_id,
759     job_id
760 FROM
761     employees
762 WHERE
763     job_id LIKE '%er%'
764     OR job_id LIKE '%ER%'
765     OR job_id LIKE '%eR%'
766     OR job_id LIKE '%Er%'
767 ORDER BY
768     1;
769 ---- 64) Display student name who are having more than 4 letters in the sname?
770 --no table found
771 ---- 65) Display the minimum salary of the employees for each department with having 5 characters in employee name and the third
772 alphabet is 'A'.
773 SELECT
774     department_id,
775     MIN(salary)
776 FROM
777     employees
778 WHERE
779     first_name LIKE '__a__'
780     OR last_name LIKE '__a__'
781 GROUP BY
782     department_id
783 ORDER BY
784     1;
785 ---- 66) Display min salary of employees whose job in salesman,clerk?
786 SELECT
787     job_id,
788     MIN(salary)
789 FROM
790     employees
791 WHERE
```

```
791         job_id = 'SA_MAN'
792         OR job_id LIKE '%CLERK'
793     GROUP BY
794         job_id
795     ORDER BY
796         1;
797 ---- 67) Write down the query to fetch department name assign to more than one employee?
798     SELECT
799         employee_id,
800         COUNT(department_id)
801     FROM
802         employees
803     GROUP BY
804         employee_id
805     HAVING
806         COUNT(department_id) > 1
807     ORDER BY
808         1;
809 ---- 68) List the no of employee in each department where the number is more than 3.
810     SELECT
811         department_id,
812         COUNT(*)
813     FROM
814         employees
815     GROUP BY
816         department_id
817     HAVING
818         COUNT(*) > 3
819     ORDER BY
820         1;
821 ---- 69) Display the number of employees department wise then jobwise and salary more than 1000
822     SELECT
823         department_id,
824         job_id,
825         COUNT(*)
826     FROM
827         employees
828     WHERE
829         salary > 1000
830     GROUP BY
831         department_id,
832         job_id
833     ORDER BY
834         1,
835         2;
836 ---- 70) Display the deptno for those who have MGR 7839 and name end with s.
837     SELECT
838         department_id
839     FROM
840         employees
841     WHERE
842         manager_id = 7839
843         AND last_name = '%s'
844     ORDER BY
845         1;
846 ---- 71) Display department wise,having more than 2 salesman.
847     SELECT
```

```
848         department_id,  
849         COUNT (*)  
850     FROM  
851         employees  
852     WHERE  
853         job_id = 'SA_MAN'  
854     GROUP BY  
855         department_id  
856     HAVING  
857         COUNT (*) > 1  
858     ORDER BY  
859         1;  
860     ---- 72) Display the Department number which are having less than 5000 as their departmental total salary  
861     SELECT  
862         department_id,  
863         SUM(salary)  
864     FROM  
865         employees  
866     GROUP BY  
867         department_id  
868     HAVING  
869         SUM(salary) < 5000  
870     ORDER BY  
871         1;  
872     ---- 73) Display the minimum Salary for each of the job excluding all the employees whose name ends with K  
873     SELECT  
874         job_id,  
875         MIN(salary)  
876     FROM  
877         employees  
878     WHERE  
879         last_name NOT LIKE '%k'  
880     GROUP BY  
881         job_id  
882     ORDER BY  
883         1;  
884     ---- 74) Display the highest hire date for each job excluding all the employees whose name ends with 'N'.  
885     SELECT  
886         job_id,  
887         MAX(hire_date)  
888     FROM  
889         employees  
890     WHERE  
891         last_name NOT LIKE '%n'  
892     GROUP BY  
893         job_id  
894     ORDER BY  
895         1;  
896     ---- 75) Display job-wise highest salary only if the highest salary is more than 2000  
897     SELECT  
898         job_id,  
899         MAX(salary)  
900     FROM  
901         employees  
902     GROUP BY  
903         job_id  
904     HAVING
```



```
905         MAX(salary) > 2000
906     ORDER BY
907         1;
908 ---- 76) Display dept no which are contains more then 2 emp in them
909     SELECT
910         department_id,
911         COUNT(*)
912     FROM
913         employees
914     GROUP BY
915         department_id
916     HAVING
917         COUNT(*) > 2
918     ORDER BY
919         1;
920 ---- 77) Display employee name job wise whose having commission greater than 250 and having a reporting manager whose number
921         starts with 76
922     SELECT
923         job_id,
924         first_name,
925         last_name
926     FROM
927         employees
928     WHERE
929         commission_pct > 0.25
930         AND manager_id = 76
931     ORDER BY
932         1;
933 ---- 78) Find number of employees whose hiredate is between 01-jan-80 to 31-dec-82
934     SELECT
935         COUNT(*)
936     FROM
937         employees
938     WHERE
939         hire_date BETWEEN '01-01-80' AND '31-12-82'
940     ORDER BY
941         1;
942 ---- 79) Write the query to get the department and department wise total salary display it in descending from employee detail table
943     SELECT
944         department_id,
945         SUM(salary)
946     FROM
947         employees
948     GROUP BY
949         department_id
950     ORDER BY
951         2 DESC;
952 ---- 80) Write a query to display number of employees department-wise whose job end with T
953     SELECT
954         department_id,
955         COUNT(*)
956     FROM
957         employees
958     WHERE
959         job_id LIKE '%T'
960     GROUP BY
961         department_id
```

```
961 ORDER BY
962 1;
963 ---- 81) Display job wise highest salary only is the highest salary is more than 2000 excluding deptno 20 sort the data based on
highest salary in ascending order.
964 SELECT
965     job_id,
966     MAX(salary)
967 FROM
968     employees
969 WHERE
970     department_id <> 20
971 GROUP BY
972     job_id
973 HAVING
974     MAX(salary) > 2000
975 ORDER BY
976 2;
977 ---- 82) Display no of employee in each job and display all the employees whose reporting manager has end with '8' no in it .
978 SELECT
979     job_id,
980     COUNT(*)
981 FROM
982     employees
983 GROUP BY
984     job_id
985 ORDER BY
986 1;
987
988 SELECT
989     job_id,
990     COUNT(*)
991 FROM
992     employees
993 WHERE
994     manager_id LIKE '%8'
995 GROUP BY
996     job_id
997 ORDER BY
998 1;
999 ---- 83) Display the department number which is having more than 1 salesman in it?
1000 SELECT
1001     department_id,
1002     COUNT(*)
1003 FROM
1004     employees
1005 WHERE
1006     job_id = 'SA_MAN'
1007 GROUP BY
1008     department_id
1009 HAVING
1010     COUNT(*) > 1
1011 ORDER BY
1012 1;
1013 ---- 84) List all the employees who are not earning salary by the range 1250 and 4000?
1014 SELECT
1015     *
1016 FROM
```

```
1017         employees
1018     WHERE
1019         salary NOT BETWEEN 1250 AND 4000
1020     ORDER BY
1021         1;
1022 ---- 85) Display jobwise lowest salary of 1000 excluding dept 10.sort the data based on their lowest salary in the ascending order.
1023     SELECT
1024         job_id,
1025         MIN(salary)
1026     FROM
1027         employees
1028     WHERE
1029         department_id <> 10
1030     GROUP BY
1031         job_id
1032     HAVING
1033         MIN(salary) = 1000
1034     ORDER BY
1035         2;
1036 ---- 86) Display job wise and employee name whose having reporting manager and having salary range from 1000 to 2500.
1037     SELECT
1038         job_id,
1039         first_name,
1040         last_name
1041     FROM
1042         employees
1043     WHERE
1044         manager_id IS NOT NULL
1045         AND salary BETWEEN 1000 AND 2500
1046     ORDER BY
1047         1;
1048 ---- 87) Display Department numbers which are having salary more than 2000 except manager.
1049     SELECT
1050         department_id
1051     FROM
1052         employees
1053     WHERE
1054         salary > 2000
1055         AND job_id NOT LIKE '%MGR'
1056     GROUP BY
1057         department_id
1058     ORDER BY
1059         1;
1060 ---- 88) Display job wise whose joining date is oldest and newest and whose getting some commission
1061     SELECT
1062         job_id,
1063         MAX(hire_date) ,
1064         MIN(hire_date)
1065     FROM
1066         employees
1067     WHERE
1068         commission_pct IS NOT NULL
1069     GROUP BY
1070         job_id
1071     ORDER BY
1072         1;
1073 ---- 89) Display department wise number of 'MANAGERS'?
```

```

1074  SELECT
1075      department_id,
1076      COUNT(manager_id) ,
1077      COUNT(DISTINCT manager_id)
1078  FROM
1079      employees
1080  GROUP BY
1081      department_id
1082  ORDER BY
1083      1;
1084  --or where job_id like mgr
1085  ---- 90) Display the branch wise percentages of the students scored more than 85 and the branch would be having less than 200
students.
1086  --no table found
1087  ---- 91) Display deptwise number of salesman except dept 20?
1088  SELECT
1089      *
1090  FROM
1091      employees
1092  WHERE
1093      department_id <> 20
1094      AND job_id = 'SA_MAN'
1095  ORDER BY
1096      department_id;
1097  ---- 92) Display all the department where department has 3 employee?
1098  SELECT
1099      department_id,
1100      COUNT(*)
1101  FROM
1102      employees
1103  GROUP BY
1104      department_id
1105  HAVING
1106      COUNT(*) = 3
1107  ORDER BY
1108      1;
1109  ---- 93) Display department no and max salary for each department.
1110  SELECT
1111      department_id,
1112      MAX(salary)
1113  FROM
1114      employees
1115  GROUP BY
1116      department_id
1117  ORDER BY
1118      1;
1119  ---- 94) Display number of employees whose name starts with S or A jobwise and are having more than or equal to 3 employees
1120  SELECT
1121      job_id,
1122      COUNT(*)
1123  FROM
1124      employees
1125  WHERE
1126      first_name LIKE 'S%'
1127      OR first_name LIKE 'A%'
1128  GROUP BY
1129      job_id

```

```
1130     HAVING
1131         COUNT (*) >= 3
1132     ORDER BY
1133         1;
1134 ---- 95) Display deptno who has man string in there job having deptno 30.
1135     SELECT
1136         department_id,
1137         COUNT (*)
1138     FROM
1139         employees
1140     WHERE
1141         job_id LIKE '%MAN'
1142         AND department_id = 30
1143     GROUP BY
1144         department_id
1145     ORDER BY
1146         1;
1147 ---- 96) Display department wise ,for those department having sal less than 5000.
1148     SELECT
1149         department_id,
1150         COUNT (*)
1151     FROM
1152         employees
1153     WHERE
1154         salary < 5000
1155     GROUP BY
1156         department_id
1157     ORDER BY
1158         1;
1159 ---- 97) Display Department wise number of president
1160     SELECT
1161         department_id,
1162         COUNT (*)
1163     FROM
1164         employees
1165     WHERE
1166         job_id LIKE '%PRES'
1167     GROUP BY
1168         department_id
1169     ORDER BY
1170         1;
1171 ---- 98) Display the Department numbers which are having more than 5000 as their departmental total salary
1172     SELECT
1173         department_id,
1174         SUM(salary)
1175     FROM
1176         employees
1177     GROUP BY
1178         department_id
1179     HAVING
1180         SUM(salary) > 5000
1181     ORDER BY
1182         1;
1183 ---- 99) Display Dept wise number of employees who get a commission of more than 500
1184     SELECT
1185         department_id,
1186         COUNT (*)
```

```
1187     FROM
1188         employees
1189     WHERE
1190         commission_pct > 0.5
1191     GROUP BY
1192         department_id
1193     ORDER BY
1194         1;
1195 ---- 100) Display the department numbers which are having lesser than 5000 as the department total salary
1196     SELECT
1197         department_id,
1198         SUM(salary)
1199     FROM
1200         employees
1201     GROUP BY
1202         department_id
1203     HAVING
1204         SUM(salary) < 5000
1205     ORDER BY
1206         1;
```