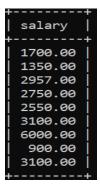
MySQL Assignment

1. select * from employees;

+	+		+		+	+	+
emp_id	emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
64989	ADELYN	SALESMAN	66928	1991-02-20	1700.00	400.00	3001
65271	WADE	SALESMAN	66928	1991-02-22	1350.00	600.00	3001
65646	JONAS	MANAGER	68319	1991-04-02	2957.00	0.00	2001
66928	BLAZE	MANAGER	68319	1991-05-01	2750.00	0.00	3001
67832	CLARE	MANAGER	68319	1991-06-09	2550.00	0.00	1001
67858	SCARLET	ANALYST	65646	1997-04-19	3100.00	0.00	2001
68319	KAYLING	PRESIDENT	0	1991-11-18	6000.00	0.00	1001
68679	SANDRINE	CLERK	69062	1990-12-18	900.00	0.00	2001
69062	FRANK	ANALYST	65646	1991-12-03	3100.00	0.00	2001
+	+	+	+		+	+	+

2. select salary from employees;



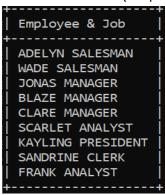
3. select distinct job_name from employees;



4. Select emp_name,concat('\$',1.15*salary) as "Salary" from employees;

```
emp_name
          Salary
          $ 1955.0000
ADELYN
WADE
          $ 1552.5000
JONAS
          $ 3400.5500
BLAZE
          $ 3162.5000
CLARE
          $ 2932.5000
          $ 3565.0000
SCARLET
KAYLING
          $ 6900.0000
SANDRINE
          $ 1035.0000
FRANK
          $ 3565.0000
```

5. select concat(emp_name, ',job_name) as "Employee & Job" from employees;

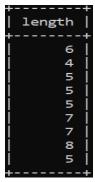


6. select concat(emp_name,'(',job_name,')') as "Employee" from employees;

7. select emp_id,emp_name,salary,DATE_FORMAT(hire_date,'%M %d,%Y') as 'hire_date' from employees;

+ emp_id	emp_name	salary	+
64989 65271 65646 66928 67832 67858 68319 68679 69062	ADELYN WADE JONAS BLAZE CLARE SCARLET KAYLING SANDRINE FRANK	1700.00 1350.00 2957.00 2750.00 2550.00 3100.00 900.00 3100.00	February 20,1991 February 22,1991 April 02,1991 May 01,1991 June 09,1991 April 19,1997 November 18,1991 December 03,1991

8. select character_length(emp_name) as 'length' from employees;



9. select emp_id,salary,commission from employees;

emp_id	salary	commission
64989	1700.00	
65271	1350.00	600.00
65646	2957.00	0.00
66928	2750.00	0.00
67832	2550.00	0.00
67858	3100.00	0.00
68319	6000.00	0.00
68679	900.00	0.00
69062	3100.00	0.00
+		++

10. select distinct(job_name),dep_id from employees;

+ job_name	dep_id
SALESMAN	3001
MANAGER	2001
MANAGER	3001
MANAGER	1001
ANALYST	2001
PRESIDENT	1001
CLERK	2001
+	+

11. select * from employees where dep_id != 2001;

emp_id	emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
68319 64989 65271	CLARE KAYLING ADELYN WADE BLAZE	MANAGER PRESIDENT SALESMAN SALESMAN MANAGER	68319 0 66928 66928 68319	1991-06-09 1991-11-18 1991-02-20 1991-02-22 1991-05-01	2550.00 6000.00 1700.00 1350.00 2750.00	0.00 0.00 400.00 600.00 0.00	1001 1001 3001 3001 3001

12. select * from employees where hire_date < '1991-01-01';

emp_id emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
68679 SANDRINE	CLERK	•	1990-12-18	900.00	0.00	2001

13. select avg(salary) from employees where job_name = 'ANALYST';

+	+
avg(salary)	
+	+
3100.000000	l
+	+

14. select * from employees where emp_name = 'BLAZE';

			manager_id				
66928 E	BLAZE	MANAGER	68319	1991-05-01	2750.00	0.00	3001

15. select * from employees where commission > salary; Empty set (0.00 sec)

16. select * from employees where (salary*1.25)>3000;

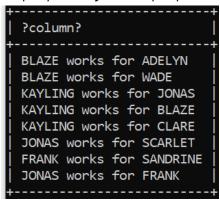
emp_id	emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
65646 66928 67832 67858 68319 69062	JONAS BLAZE CLARE SCARLET KAYLING FRANK	MANAGER MANAGER MANAGER ANALYST PRESIDENT ANALYST	68319 68319 68319 65646 0 65646	1991-04-02 1991-05-01 1991-06-09 1997-04-19 1991-11-18 1991-12-03	2957.00 2750.00 2550.00 3100.00 6000.00 3100.00	0.00 0.00 0.00 0.00 0.00	2001 3001 1001 2001 1001 2001

17. select emp_name from employees where character_length(emp_name) = 6;



18. select * from employees where date_format(hire_date,'%m') = 'jan'; Empty set (0.00 sec)

19. select concat(e.emp_name," works for ",m.emp_name) as "?column?" from employees e join employees m on e.emp_id = m.manager_id;



20. select * from employees where job_name = 'clerk';

emp_id emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
68679 SANDRINE	CLERK	69062	1990-12-18	900.00	0.00	2001

21. select * from employees where 2022 - date_format(hire_date,'%Y') > 27;

67832 CLARE	99 3991

or

21. select * from employees where TIMESTAMPDIFF(YEAR, hire_date, CURDATE())>27;

22. select * from employees where salary<3500;

emp_id emp_name job_name	ariagerta	hire_date	salary	commission	dep_id
64989		1991-02-20 1991-02-22 1991-04-02 1991-05-01 1991-06-09 1997-04-19 1990-12-18 1991-12-03	1700.00 1350.00 2957.00 2750.00 2550.00 3100.00 900.00 3100.00	400.00 600.00 0.00 0.00 0.00 0.00 0.00	3001 3001 2001 3001 1001 2001 2001 2001

23. select emp_name,job_name,salary from employees where job_name = 'ANALYST';

+	+	++
emp_name	job_name	salary
+	+	++
SCARLET	ANALYST	3100.00 3100.00

24. select * from employees where date_format(hire_date,'%Y') = 1991;

emp_id emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
64989 ADELYN 65271 WADE 65646 JONAS 66928 BLAZE 67832 CLARE 68319 KAYLING 69062 FRANK	SALESMAN SALESMAN MANAGER MANAGER MANAGER MANAGER PRESIDENT ANALYST	66928 66928 68319 68319 68319 0 65646	1991-02-20 1991-02-22 1991-04-02 1991-05-01 1991-06-09 1991-11-18 1991-12-03	1700.00 1350.00 2957.00 2750.00 2550.00 6000.00 3100.00	400.00 600.00 0.00 0.00 0.00 0.00	3001 3001 2001 3001 1001 1001

25. select emp_id,emp_name,hire_date,salary from employees where hire_date<'1991-04-01';

++ emp_id	emp_name	+ hire_date	salary
64989	ADELYN	1991-02-20	1700.00
65271	WADE	1991-02-22	1350.00
68679	SANDRINE	1990-12-18	900.00

26. select emp_name,job_name from employees where manager_id = 0;

+	++
emp_name	job_name
+	++
KAYLING	PRESIDENT
+	++

27. select * from employees where hire_date = '1991-05-01';

emp_id emp_name						
66928 BLAZE	MANAGER	68319	1991-05-01	2750.00	0.00	3001

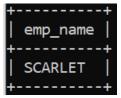
28. select emp_id,emp_name,salary,TIMESTAMPDIFF(YEAR,hire_date,CURDATE()) as 'Experience' from employees where manager_id = 68319;

+ emp_id	emp_name	salary	++ Experience
65646	BLAZE	2957.00	31
66928		2750.00	31
67832		2550.00	31

29. select emp_id,emp_name,salary,TIMESTAMPDIFF(MONTH,hire_date,CURDATE()) as 'Experience' from employees where (salary/30)>100;

emp_id	emp_name	salary	Experience
67858	SCARLET	3100.00	303
68319	KAYLING	6000.00	368
69062	FRANK	3100.00	368

30. select emp_name from employees where date_format(hire_date,'%Y')+8 > 1999;



31. select * from employees where (salary%2)!=0;

emp_id emp_nar						
65646 JONAS	MANAGER	68319	1991-04-02	2957.00	0.00	2001

32. select * from employees where salary<1000;

+						+
emp_id emp_name						
68679 SANDRINE	CLERK	69062	1990-12-18	900.00	0.00	2001
+						

33. select * from employees where date_format(hire_date,'%M') = 'April';

emp_id emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
65646 JONAS 67858 SCARLET	MANAGER ANALYST		1991-04-02 1997-04-19			2001 2001

34. select * from employees where date_format(hire_date,'%d') < 19;

emp_id emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
65646 JONAS 66928 BLAZE 67832 CLARE 68319 KAYLING 68679 SANDRINE 69062 FRANK	MANAGER MANAGER MANAGER MANAGER PRESIDENT CLERK ANALYST	68319 68319 68319 0 69062 65646	1991-04-02 1991-05-01 1991-06-09 1991-11-18 1990-12-18	2957.00 2750.00 2550.00 6000.00 900.00	0.00 0.00 0.00 0.00 0.00 0.00	2001 3001 1001 1001 2001

35. select * from employees where TIMESTAMPDIFF(MONTH,hire_date,CURDATE())>8 and job_name = 'SALESMAN';

emp_id emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
64989 ADELYN 65271 WADE	SALESMAN SALESMAN		1991-02-20 1991-02-22		400.00 600.00	

36. select * from employees where (dep_id = 3001 or dep_id = 1001) and DATE_FORMAT(hire_date,'%Y') = 1991;

68319 KAYLING PRESIDENT 0 1991-11-18 6000.00 0.00 1001 64989 ADELYN SALESMAN 66928 1991-02-20 1700.00 400.00 3001 65271 WADE SALESMAN 66928 1991-02-22 1350.00 600.00 3001	+ emp_id	emp_name	+ job_name +	+ manager_id +	+ hire_date +	salary	commission	+ dep_id
	68319 64989 65271	KAYLING ADELYN WADE	PRESIDENT SALESMAN SALESMAN	66928 66928	1991-11-18 1991-02-20 1991-02-22	6000.00 1700.00 1350.00	0.00 400.00 600.00	1001 1001 3001 3001 3001

37. select * from employees where $dep_id = 2001$ or $dep_id = 1001$;

emp_id	emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
67832 68319 65646 67858 68679 69062	CLARE KAYLING JONAS SCARLET SANDRINE FRANK	MANAGER PRESIDENT MANAGER ANALYST CLERK ANALYST	68319 0 68319 65646 69062 65646	1991-06-09 1991-11-18 1991-04-02 1997-04-19 1990-12-18 1991-12-03	2550.00 6000.00 2957.00 3100.00 900.00 3100.00	0.00 0.00 0.00 0.00 0.00	1001 1001 2001 2001 2001 2001

38. select * from employees where job_name = 'CLERK' and dep_id = 2001;

++ emp_id emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
68679 SANDRINE					0.00	

39. select emp_id,emp_name,salary,job_name from employees where job_name = 'SALESMAN' and dep_id = 3001 and salary > commission and (salary+commission) < 3400;

+ emp_id +	emp_name	salary	+ job_name
64989 65271 +	ADELYN WADE	•	SALESMAN SALESMAN

40. select * from employees where job_name in ('CLERK','MANAGER');

emp_id 6	emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
66928 E	JONAS	MANAGER	68319	1991-04-02	2957.00	0.00	2001
	BLAZE	MANAGER	68319	1991-05-01	2750.00	0.00	3001
	CLARE	MANAGER	68319	1991-06-09	2550.00	0.00	1001
	SANDRINE	CLERK	69062	1990-12-18	900.00	0.00	2001

41. select * from employees where DATE_FORMAT(hire_date,'%M') != 'February';

	+		+	+		+		++
	emp_id	emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
	65646	JONAS	MANAGER	68319	1991-04-02	2957.00	0.00	2001
ı	66928	BLAZE	MANAGER	68319	1991-05-01	2750.00	0.00	3001
ı	67832	CLARE	MANAGER	68319	1991-06-09	2550.00	0.00	1001
	67858	SCARLET	ANALYST	65646	1997-04-19	3100.00	0.00	2001
ı	68319	KAYLING	PRESIDENT	0	1991-11-18	6000.00	0.00	1001
	68679	SANDRINE	CLERK	69062	1990-12-18	900.00	0.00	2001
ı	69062	FRANK	ANALYST	65646	1991-12-03	3100.00	0.00	2001
	+		+	+		+		+

42. select * from employees where DATE_FORMAT(hire_date,'%Y') = 1991;

emp_id	emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
64989 65271 65646 66928 67832 68319 69062	ADELYN WADE JONAS BLAZE CLARE KAYLING FRANK	SALESMAN SALESMAN MANAGER MANAGER MANAGER PRESIDENT ANALYST	66928 66928 68319 68319 68319 0 65646	1991-02-20 1991-02-22 1991-04-02 1991-05-01 1991-06-09 1991-11-18 1991-12-03	1700.00 1350.00 2957.00 2750.00 2550.00 6000.00 3100.00	400.00 600.00 0.00 0.00 0.00 0.00	3001 3001 2001 3001 1001 1001 2001

43. select * from employees where hire_date>='1991-06-01';

++ emp_id emp_na	+ ame	manager_id	hire_date	salary	commission	++ dep_id
67832 CLARE 67858 SCARLI 68319 KAYLII 69062 FRANK	ET ANALYST NG PRESIDENT	65646 0	1991-06-09 1997-04-19 1991-11-18 1991-12-03	3100.00 6000.00	0.00 0.00 0.00 0.00	1001 2001 1001 2001

44. select * from employees where (12*salary) between 24000 and 50000;

++ emp_id emp_na	+ ame	manager_id	hire_date	salary	commission	dep_id
65646 JONAS	Manager	68319	1991-04-02	2957.00	0.00	2001
66928 BLAZE	Manager	68319	1991-05-01	2750.00	0.00	3001
67832 CLARE	Manager	68319	1991-06-09	2550.00	0.00	1001
67858 SCARLE	T Analyst	65646	1997-04-19	3100.00	0.00	2001
69062 FRANK	Analyst	65646	1991-12-03	3100.00	0.00	2001

45. select * from employees where hire_date in ('1991-05-01','1991-02-20','1991-12-03');

emp_id emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
64989 ADELYN 66928 BLAZE 69062 FRANK	SALESMAN MANAGER ANALYST	68319	1991-02-20 1991-05-01 1991-12-03	2750.00	400.00 0.00 0.00	3001 3001 2001

46. select * from employees where manager_id in (63679,68319,66564,69000);

emp_id	emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
	JONAS BLAZE CLARE	MANAGER MANAGER MANAGER	68319	1991-04-02 1991-05-01 1991-06-09	2750.00	0.00 0.00 0.00	

47. select * from employees where hire_date>='1991-07-01';

emp_id emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
67858 SCARLET 68319 KAYLING 69062 FRANK	ANALYST PRESIDENT ANALYST	0	1997-04-19 1991-11-18 1991-12-03	6000.00	0.00 0.00 0.00	2001 1001 2001

48. select * from employees where DATE_FORMAT(hire_date,'%Y') = 1990;

emp_id emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
68679 SANDRINE	CLERK	69062	1990-12-18	900.00	0.00	2001

49. select * from employees where job_name = 'MANAGER' and dep_id in (1001,2001);

++ emp_id emp_	+ name job_name	manager_id	+ hire_date	salary	commission	 dep_id
67832 CLAR 65646 JONA			1991-06-09 1991-04-02	:	0.00 0.00	1001 2001

50. select * from employees where DATE_FORMAT(hire_date,'%M') = 'February' and salary between 1001 and 2000;

+ emp_id	–			_		commission	
64989 65271		SALESMAN SALESMAN	!	1991-02-20 1991-02-22	1350.00		