



# Databases with *MySQL*

## Exercises

### *SQL* Functions *Querys*

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Use the database that was provided to solve the following queries.

- 1) List the employees with an increase of 15% to their salary (a whole number).

	DEPTNO	ENAME	INCRE
▶	20	SMITH	920
	30	ALLEN	1840
	30	WARD	1438
	20	JONES	3421
	30	MARTIN	1438
	30	BLAKE	3278
	10	CLARK	2818
	20	SCOTT	3450
	10	KING	5750
	30	TURNER	1725
	20	ADAMS	1265
	30	JAMES	1093

- 2) List the day of the week of the date each employee was hired.

	ename	DAY
▶	SMITH	Saturday
	ALLEN	Monday
	WARD	Wednesday
	JONES	Sunday
	MARTIN	Thursday
	BLAKE	Monday
	CLARK	Friday
	SCOTT	Saturday
	KING	Friday
	TURNER	Friday
	ADAMS	Friday
	JAMES	Sunday



3) Find the following result:

	EMPLOYEE_JOB
▶	SMITH CLERK
	ALLEN SALESMAN
	WARD SALESMAN
	JONES MANAGER
	MARTIN SALESMAN
	BLAKE MANAGER
	CLARK MANAGER
	SCOTT ANALYST
	KING PRESIDENT
	TURNER SALESMAN
	ADAMS CLERK
	JAMES CLERK

4) Find a code for the employees that is composed of the first two characters of his job and the two middle digits of his employee number.

	CODE
▶	SMITHCL36
	ALLENSA49
	WARDSA52
	JONESMA56
	MARTINSA65
	BLAKEMA69
	CLARKMA78
	SCOTTAN78
	KINGPR83
	TURNERSA84
	ADAMSCL87
	JAMESCL88



- 5) Change the first occurrence of an 'A' in the employee names and change it to 'X'. If there is no occurrence of 'A', place the 'X' in the beginning of the name.

	ename	WITH X
▶	SMITH	XSMITH
	ALLEN	XLLEN
	WARD	WXRD
	JONES	XJONES
	MARTIN	MXRTIN
	BLAKE	BLXKE
	CLARK	CLXRK
	SCOTT	XSCOTT
	KING	XKING
	TURNER	XTURNER
	ADAMS	XDAMS

- 6) List each employee from department 20 and the date he was hired.

	ENAME	DATE_HIRED
▶	SMITH	Saturday, 17th of December
	JONES	Sunday, 2nd of April 2023
	SCOTT	Saturday, 19th of April 202
	ADAMS	Friday, 23rd of May 2025