NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR

Cachar, Assam

B.Tech. Vth Sem

Subject Code: CS-312

Subject Name: Database Management System

Submitted By:

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Sch. Id. : 1912160

Branch : CSE – B

CONNECTION: 1912160_CS312 SCHEMA: assignment4 TABLE

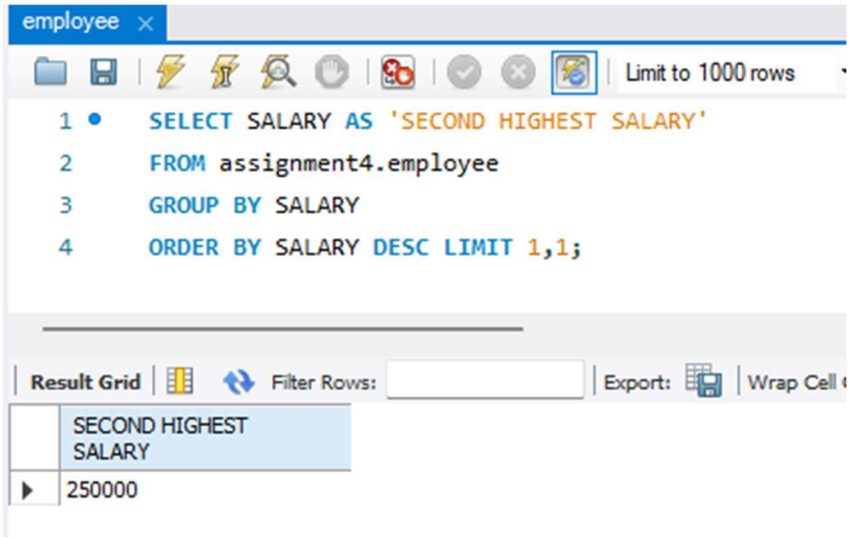
ID	DEPT_ID	GENDER	NAME	SALARY	E_ID
1	2	M	JOHN	100000	124
2	4	F	BELA	250000	313
3	3	F	KATY	250000	335
4	1	M	RON	205000	533
5	2	M	KEN	100000	563
6	2	M	JOHN	205000	123
7	4	F	TAYL...	100000	312
8	3	F	TAYL...	300000	442
9	3	M	RAZOR	100000	565
10	2	F	YELEEY	150000	564
NULL	NULL	NULL	NULL	NULL	NULL

```
CREATE TABLE `assignment4`.`employee` (	`ID` INT NOT NULL AUTO_INCREMENT,
	`DEPT_ID` INT NOT NULL,
	`GENDER` VARCHAR(1) NOT NULL,
	`NAME` VARCHAR(20) NOT NULL,
	`SALARY` INT(7) NOT NULL,
	`E_ID` INT(3) NOT NULL,
	PRIMARY KEY (`ID`));
```

```
INSERT INTO `assignment4`.`employee` (`ID`, `DEPT_ID`, `GENDER`, `NAME`, `SALARY`, `E_ID`) VALUES ('1', '2', 'M', 'JOHN', '100000', '124');

INSERT INTO `assignment4`.`employee` (`ID`, `DEPT_ID`, `GENDER`, `NAME`, `SALARY`, `E_ID`) VALUES ('2', '4', 'F', 'BELA', '250000', '313');

INSERT INTO `assignment4`.`employee` (`ID`, `DEPT_ID`, `GENDER`, `NAME`, `SALARY`, `E_ID`) VALUES ('3', '3', 'F', 'KATY', '250000', '335');

INSERT INTO `assignment4`.`employee` (`ID`, `DEPT_ID`, `GENDER`, `NAME`, `SALARY`, `E_ID`) VALUES ('4', '1', 'M', 'RON', '205000', '533');

INSERT INTO `assignment4`.`employee` (`ID`, `DEPT_ID`, `GENDER`, `NAME`, `SALARY`, `E_ID`) VALUES ('5', '2', 'M', 'KEN', '100000', '563');

INSERT INTO `assignment4`.`employee` (`ID`, `DEPT_ID`, `GENDER`, `NAME`, `SALARY`, `E_ID`) VALUES ('6', '2', 'M', 'JOHN', '205000', '123');

INSERT INTO `assignment4`.`employee` (`ID`, `DEPT_ID`, `GENDER`, `NAME`, `SALARY`, `E_ID`) VALUES ('7', '4', 'F', 'TAYLOR', '100000', '312');

INSERT INTO `assignment4`.`employee` (`ID`, `DEPT_ID`, `GENDER`, `NAME`, `SALARY`, `E_ID`) VALUES ('8', '3', 'F', 'TAYLOR', '300000', '442');

INSERT INTO `assignment4`.`employee` (`ID`, `DEPT_ID`, `GENDER`, `NAME`, `SALARY`, `E_ID`) VALUES ('9', '3', 'M', 'RAZOR', '100000', '565');

INSERT INTO `assignment4`.`employee` (`ID`, `DEPT_ID`, `GENDER`, `NAME`, `SALARY`, `E_ID`) VALUES ('10', '2', 'F', 'YELEEY', '150000', '564');
```

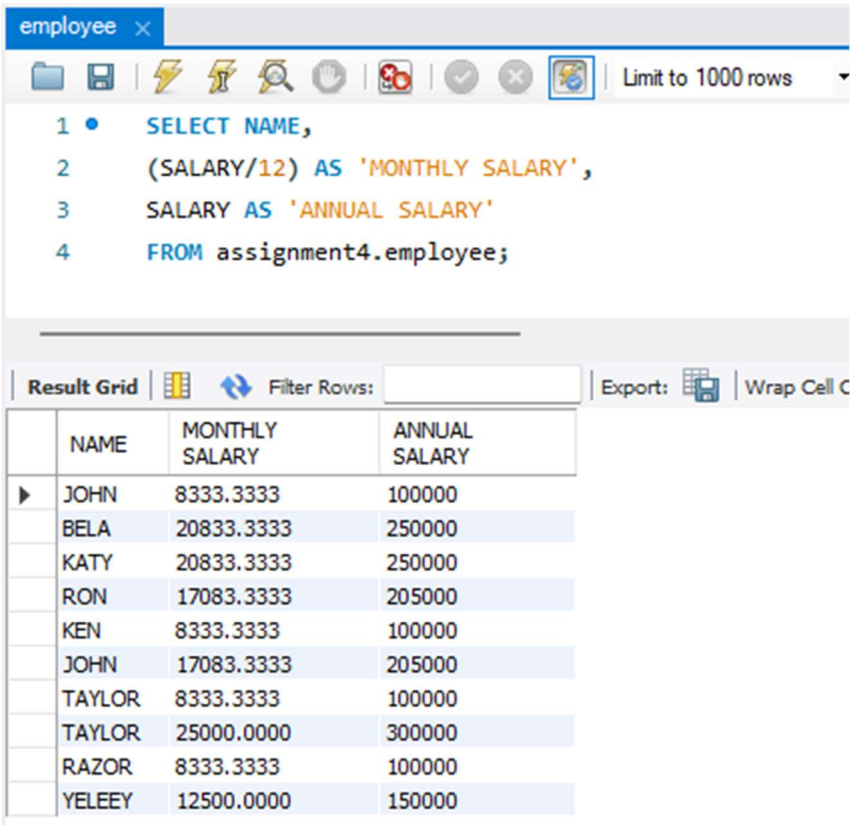
1. **Write a query to find the second highest salary of the employee and show the output.**

➔ SELECT SALARY AS 'SECOND HIGHEST SALARY'
FROM assignment4.employee
GROUP BY SALARY
ORDER BY SALARY DESC LIMIT 1,1;



2. **Write a query to find the monthly salary (as the given salary in the table is in annual salary) and show the output.**

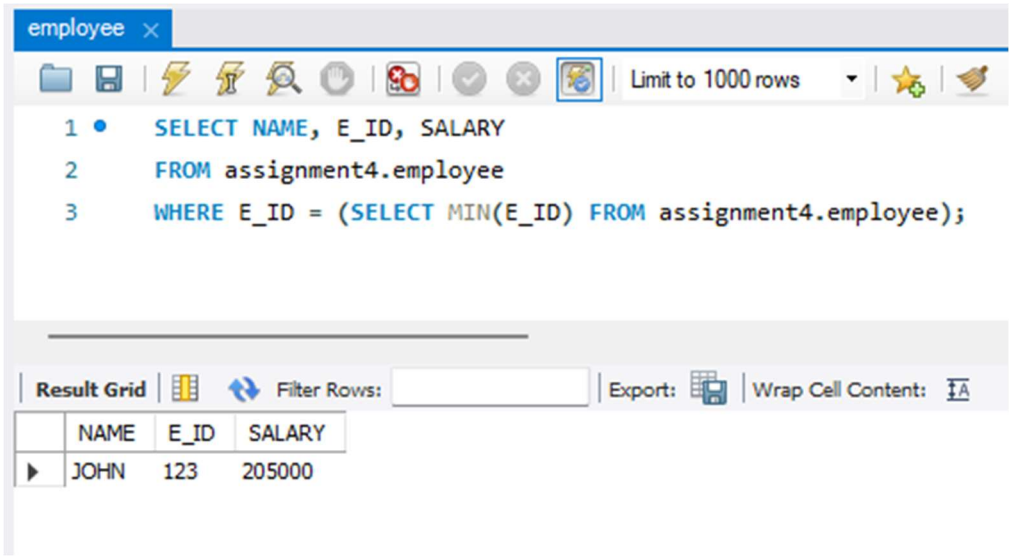
➔ SELECT NAME, (SALARY/12) AS 'MONTHLY SALARY', SALARY AS 'ANNUAL SALARY'
FROM assignment4.employee;



NAME	MONTHLY SALARY	ANNUAL SALARY
JOHN	8333.3333	100000
BELA	20833.3333	250000
KATY	20833.3333	250000
RON	17083.3333	205000
KEN	8333.3333	100000
JOHN	17083.3333	205000
TAYLOR	8333.3333	100000
TAYLOR	25000.0000	300000
RAZOR	8333.3333	100000
YELEEY	12500.0000	150000

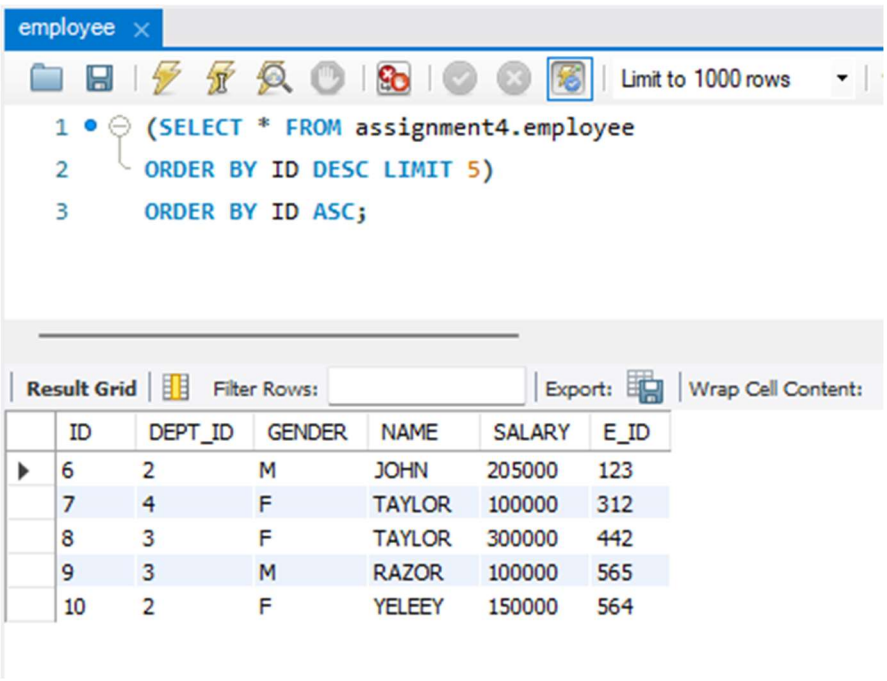
3. **Write a query to fetch the oldest employee based on their E_ID (The lowest ID is the oldest) and show the output.**

➔ SELECT NAME, E_ID, SALARY
FROM assignment4.employee
WHERE E_ID = (SELECT MIN(E_ID) FROM assignment4.employee);



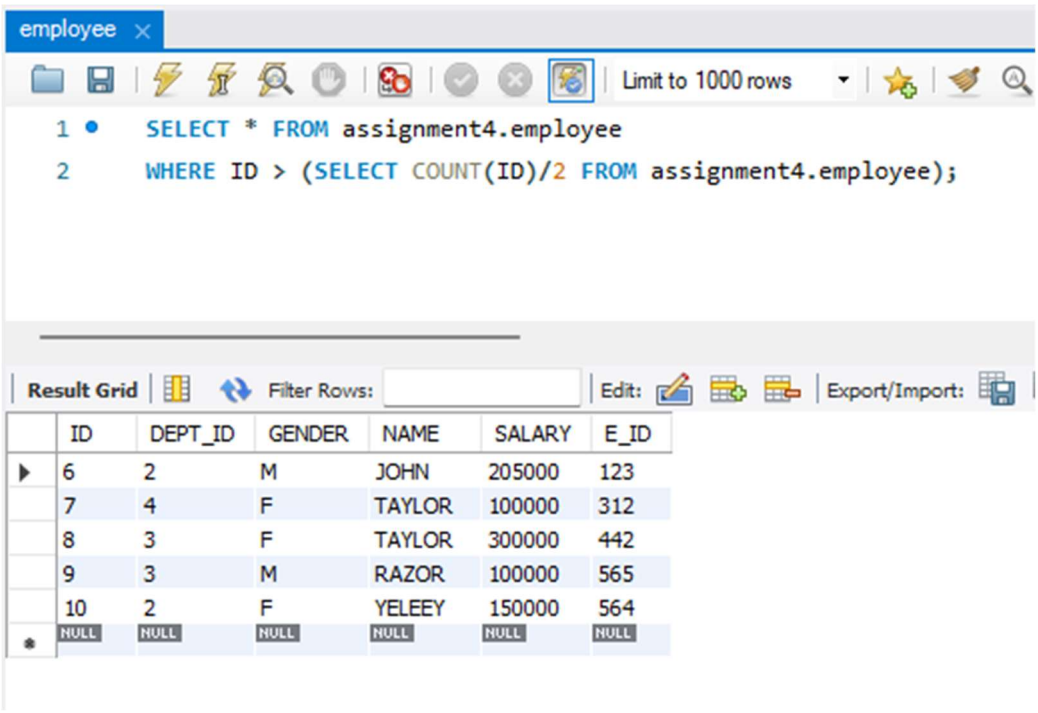
4. **Write a query to display the last 5 records that have been added to the EMPLOYEE table and show the output.**

➔ (SELECT * FROM assignment4.employee
ORDER BY ID DESC LIMIT 5)
ORDER BY ID ASC;



5. Write a query to display the last 50% record from the Employee table and show the output.

➔ SELECT * FROM assignment4.employee
WHERE ID > (SELECT COUNT(ID)/2 FROM assignment4.employee);



ID	DEPT_ID	GENDER	NAME	SALARY	E_ID
6	2	M	JOHN	205000	123
7	4	F	TAYLOR	100000	312
8	3	F	TAYLOR	300000	442
9	3	M	RAZOR	100000	565
10	2	F	YELEEY	150000	564
NULL	NULL	NULL	NULL	NULL	NULL