**CSA 0563 – DBMS**

**Cretaing a table by using CREATE**

CREATE TABLE STUDENT2

(

name VARCHAR(10),

std\_id NUMBER(10),

age NUMBER(2),

course VARCHAR(10),

date\_of\_registration DATE

);

Inserting values into table by Using INSERT keyword

INSERT INTO STUDENT2 (name,std\_id,age,course,date\_of\_registration)

VALUES ('ELIYAZAR',192311162,19,'DBMS',TO\_DATE('10-07-2024','DD-MM-YYYY'));

INSERT INTO STUDENT2 (name,std\_id,age,course,date\_of\_registration)

VALUES ('CHANIKYA',192311164,18,'DBMS',TO\_DATE('10-06-2024','DD-MM-YYYY'));

INSERT INTO STUDENT2 (name,std\_id,age,course,date\_of\_registration)

VALUES('CHANIKYA',192311164,18,'DBMS',TO\_DATE('10-06-2024','DD-MM-YYYY'));

INSERT INTO STUDENT2 (name,std\_id,age,course,date\_of\_registration)

VALUES('PRAKASH',192311165,19,'JAVA',TO\_DATE('10-06-2024','DD-MM-YYYY'));

INSERT INTO STUDENT2 (name,std\_id,age,course,date\_of\_registration)

VALUES('POLI',192311166,19,'JAVA',TO\_DATE('11-07-2024','DD-MM-YYYY'));

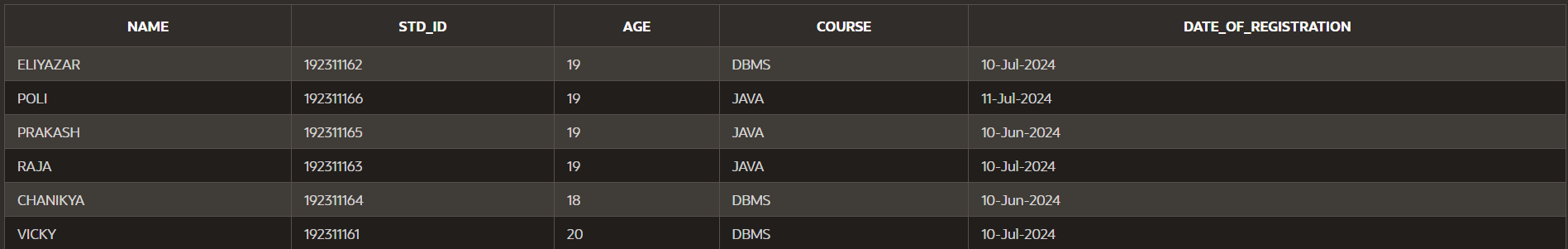
INSERT INTO STUDENT2 (name,std\_id,age,course,date\_of\_registration)

VALUES('VICKY',192311161,20,'DBMS',TO\_DATE('10-07-2024','DD-MM-YYYY'));

**Displaying the tablevalues by using** **SELECT**

SELECT \*

FROM STUDENT2;

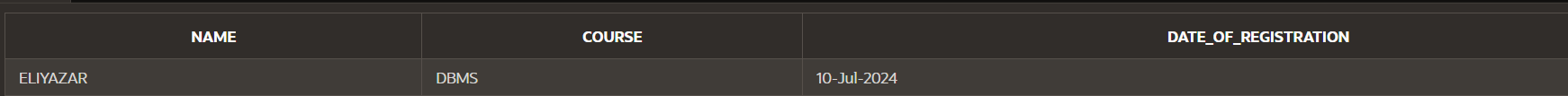


Appluying condition **WHERE**

SELECT name ,course,date\_of\_registration

FROM STUDENT2

WHERE std\_id = 192311162;



Adding another column to a table by using ALTER and ADD

ALTER TABLE STUDENT2

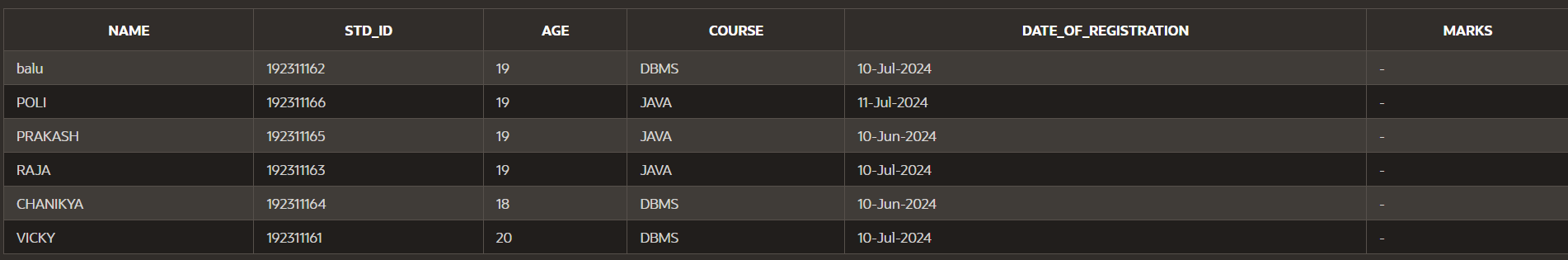
ADD marks FLOAT;



Deleting column name by using ALTER and DROP

ALTER TABLE STUDENT2

DROP (sign);

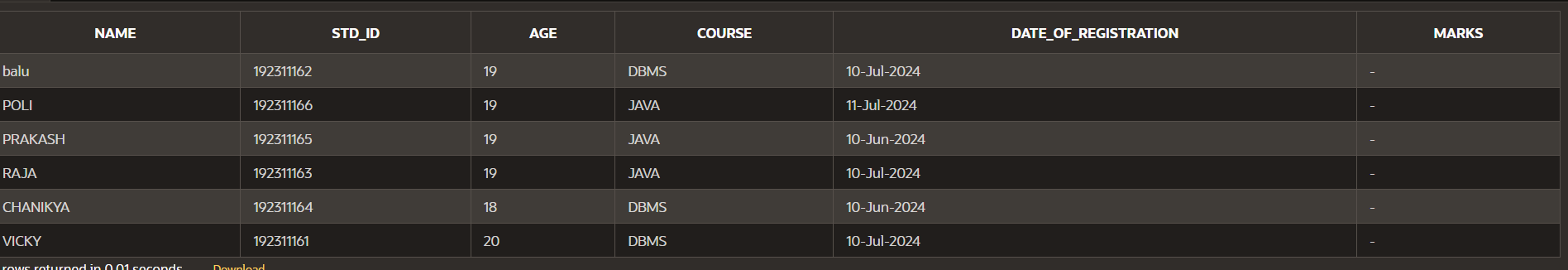


Updating the specified row in a table by using UPDATE,SET

UPDATE STUDENT2

SET name=’balu’

WHERE std\_id=192311162;



Deleting specifed row in a table by using DELETE keyword

DELETE FROM STUDENT2

WHERE name=’PRAKASH’

SELECT \* FROM STUDENT2



Deleting all the rows in a table by using TRUNCATE keyword

TRUNCATE TABLE STUDENT2;

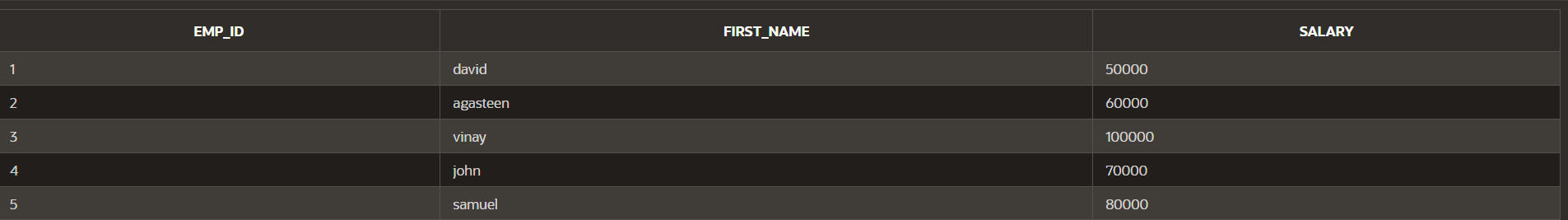
SELECT \* FROM STUDENT2;



Selecting only some columns in the table by using SELECT

SELECT emp\_id,first\_name,salary

FROM Employee;

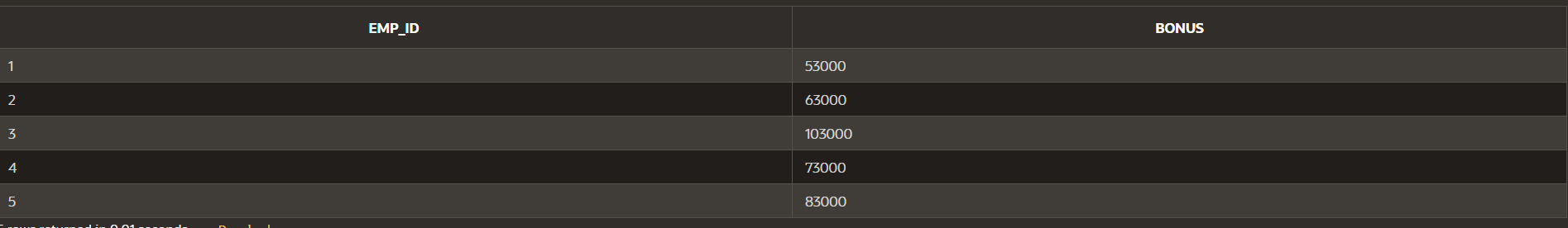


ARTHMETIC OPERATORS :

(+-\*/)

SELECT emp\_id, salary+3000

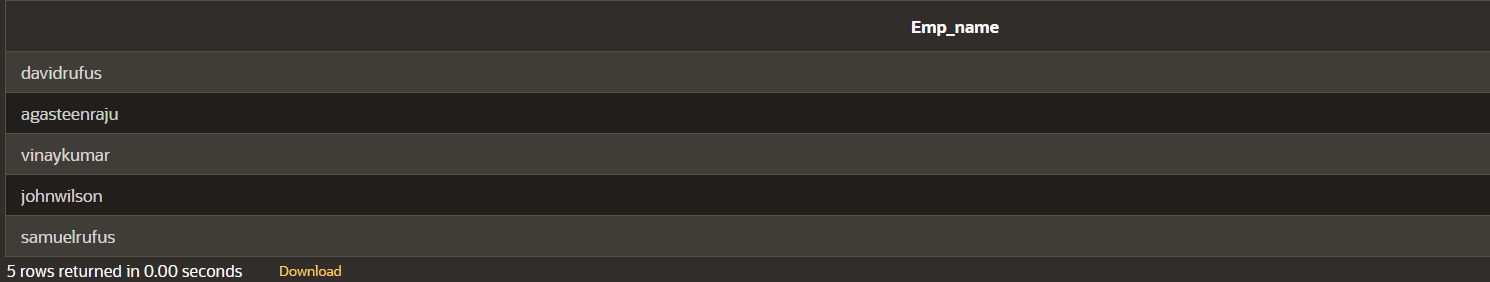
FROM Employee;



CONCATENATE two column name as one name by using AS :

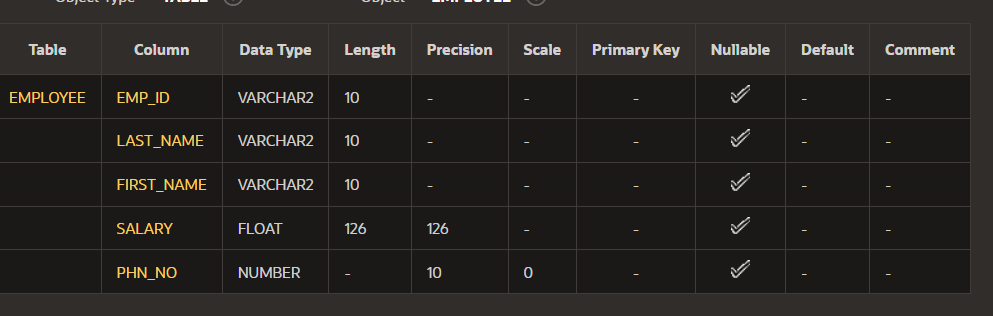
SELECT first\_name | | last\_name AS Emp\_name

FROM Employee;



DESCRIBE Keyword

desc keyword

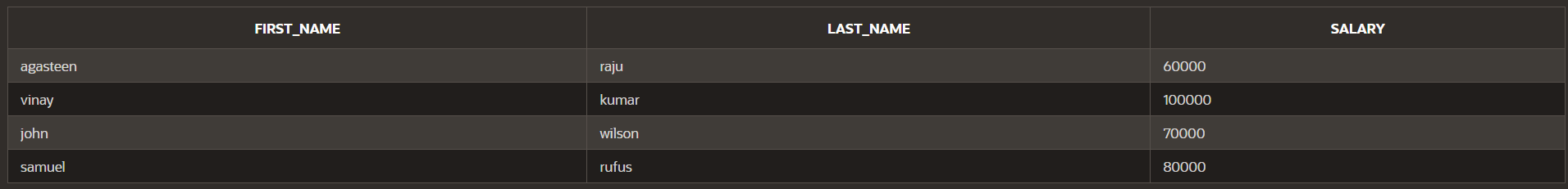


Using WHERE clause

SELECT first\_name,last\_name,salary

FROM Employee

WHERE salary > 50000.0;

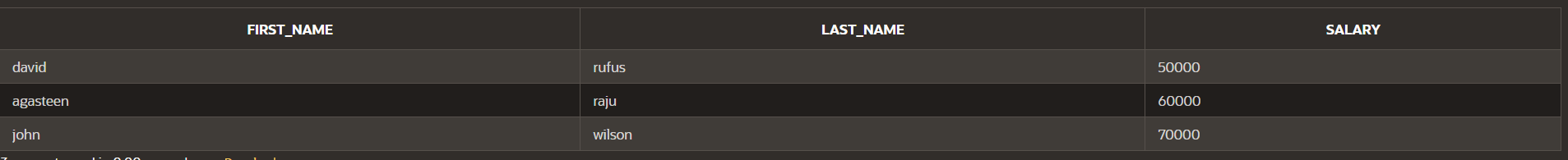


Using BETWEEN and AND operator

SELECT first\_name,last\_name ,salary

FROM Employee

WHERE salary BETWEEN 35000.0 AND 75000.0;

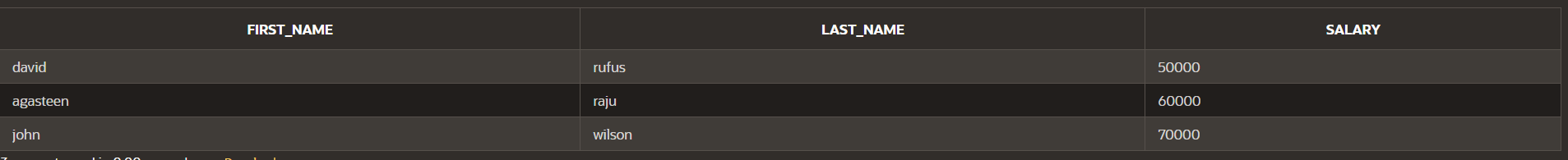


By using IN operator

SELECT first\_name,last\_name,salary

FROM Employee

WHERE emp\_id IN (2,5);

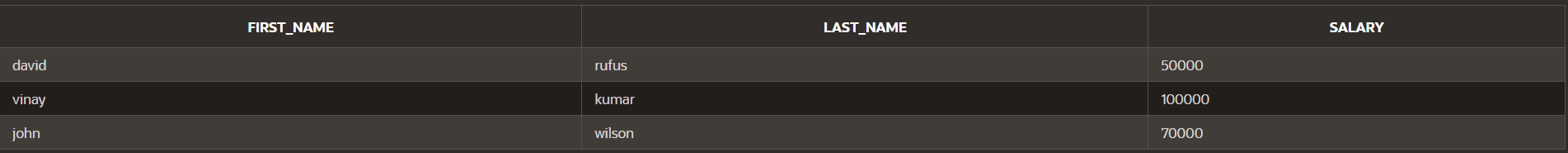


By using NOT IN operator

SELECT first\_name,last\_name,salary

FROM Employee

WHERE emp\_id NOT IN (2,5);

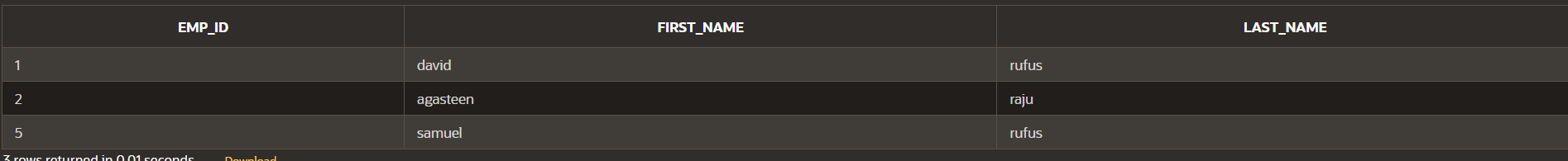


By using LIKE operator

SELECT first\_name,last\_name,salary

FROM Employee

WHERE last\_name LIKE ‘r%’;

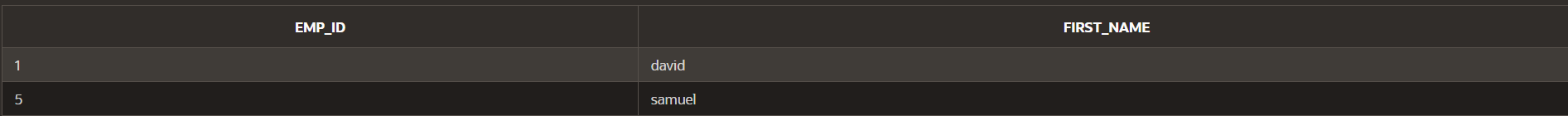


By using OR operator

SELECT emp\_id,first\_name

FROM Employee

WHERE emp\_id=’1’ OR emp\_id = ‘5’;

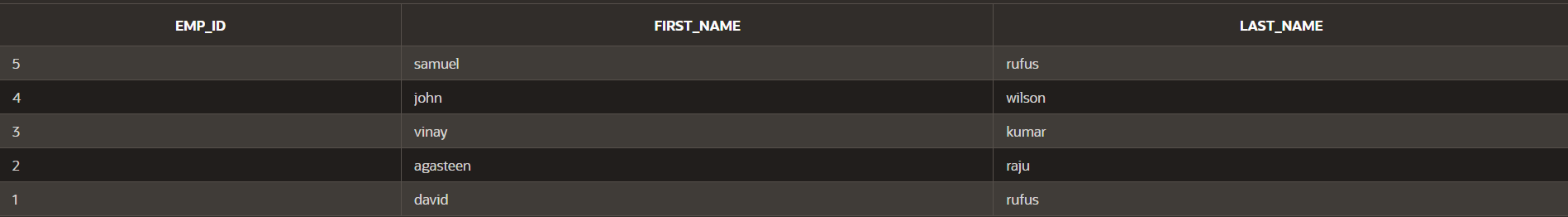


Arranging or ordering the tablein ASCENDING and DESCENDING ORDER by using ORDER BY

SELECT emp\_id,first\_name,last\_name

FROM Employee

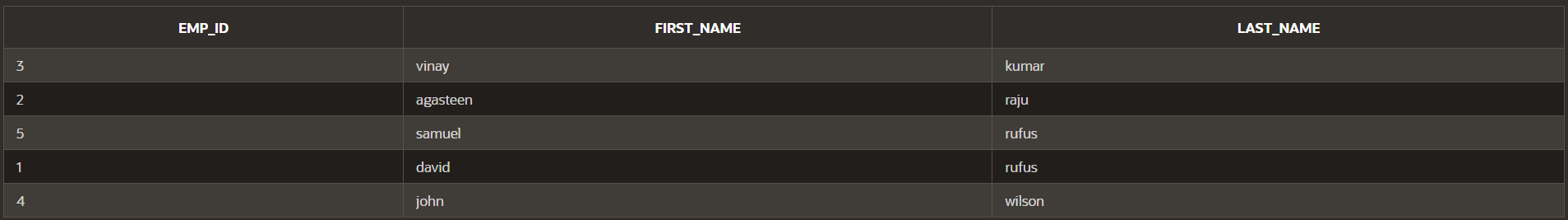
ORDER BY emp\_id DESC;



SELECT emp\_id,first\_name,last\_name

FROM employee

ORDER BY last\_name ;

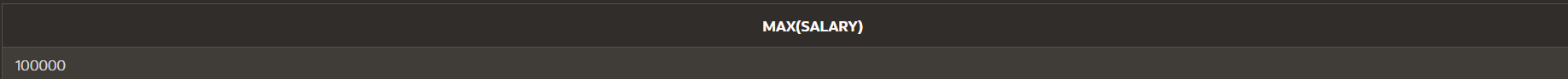


GROUP FUNCTIONS :

MAX :

SELECT MAX(salary)

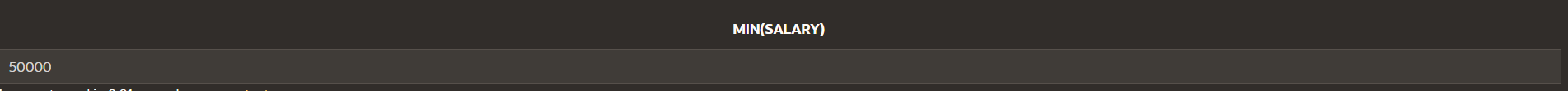
FROM Employee;



MIN:

SELECT MIN(salary)

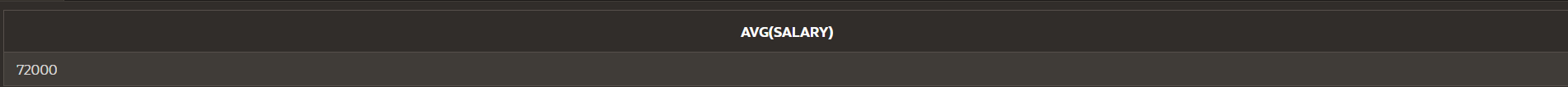
FROM Employee;



AVERAGE :

SELECT AVG(salary)

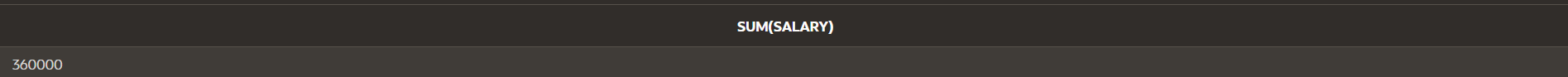
FROM Employee;



SUM :

SELECT SUM(salary)

FROM Employee;

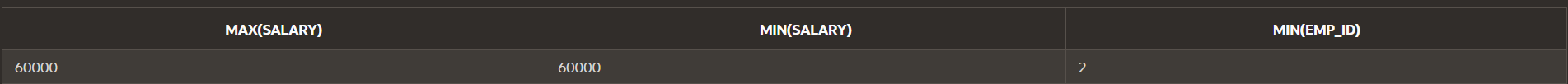


More than one GROUP function :

SELECT MAX(Salary),MIN(Salary),MIN(emp\_id)

FROM Employee

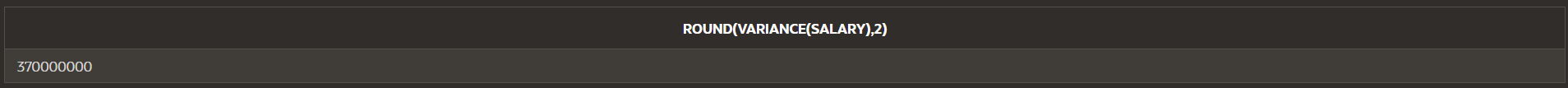
WHERE last\_name='raju';



VARIANCE :

SELECT ROUND(VARIANCE(salary),2)

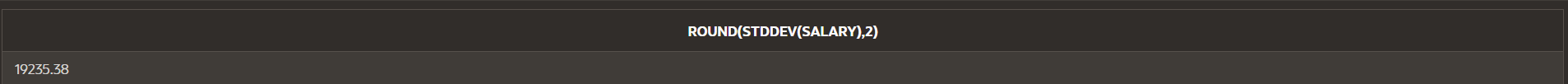
FROM Employee;



STANDARD DEVIATION :

SELECT ROUND(STDDEV(salary),2)

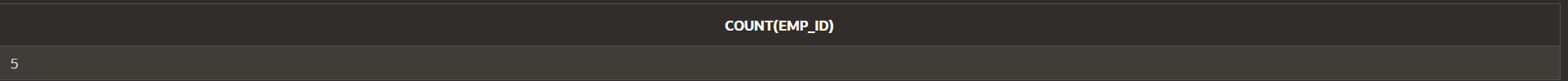
FROM Employee;



COUNT :

SELECT COUNT(emp\_id)

FROM Employee;

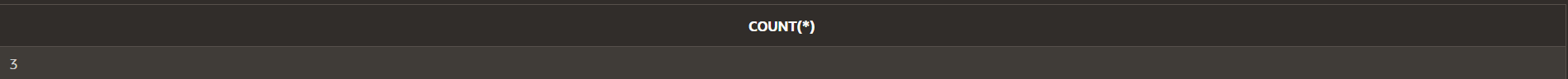


COUNT(\*)

SELECT COUNT(\*)

FROM Employee

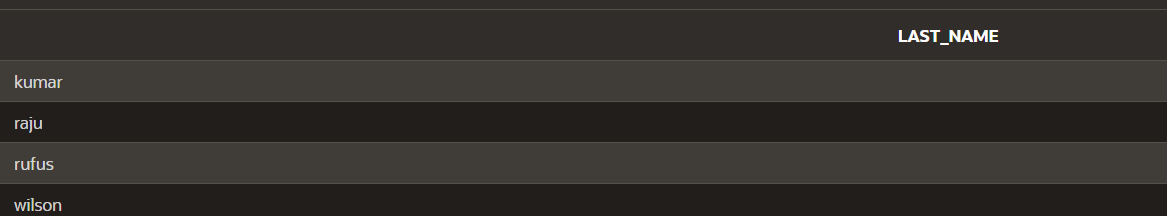
WHERE emp\_id > 2;



DISTINCT

SELECT DISTINCT last\_name

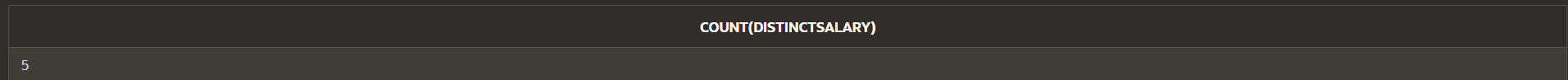
FROM Employee;





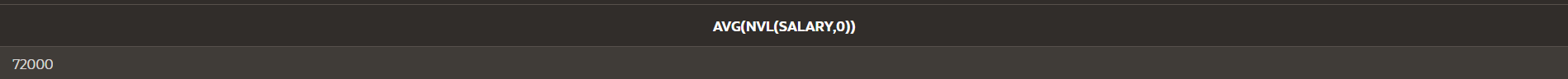
SELECT COUNT(DISTINCT salary)

FROM Employee;



SELECT AVG(NVL(salary,0))

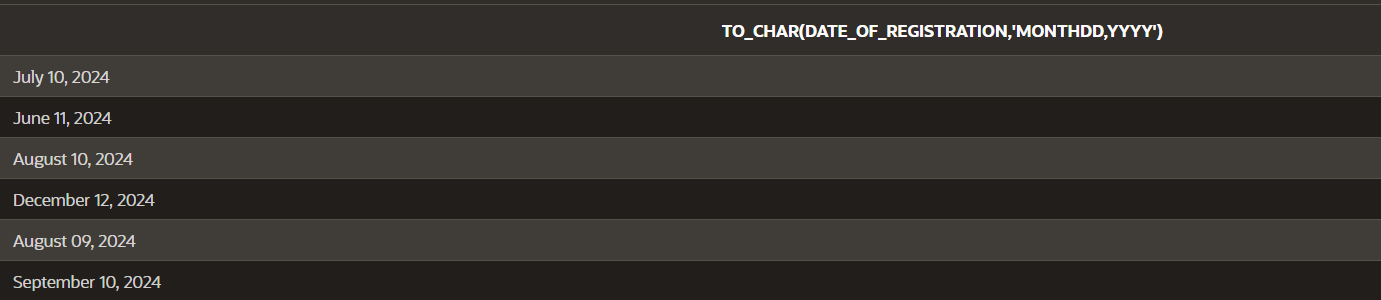
FROM Employee;



DATE CONVERSIONS :

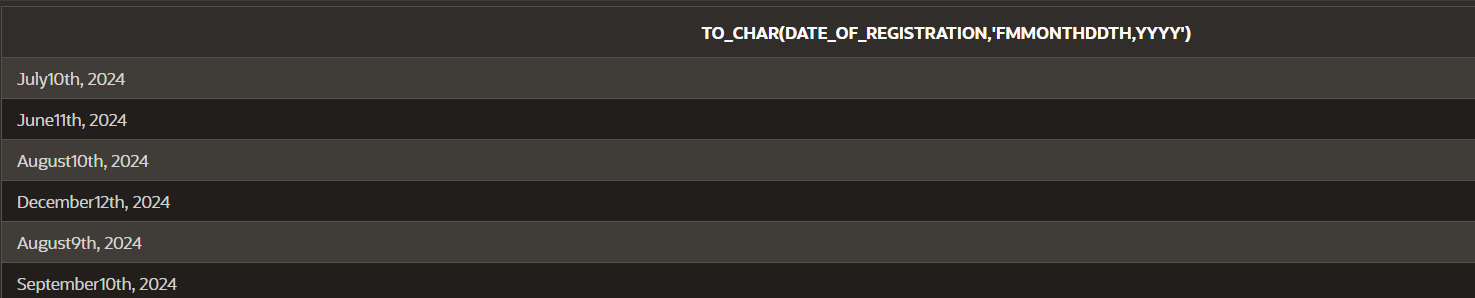
SELECT TO\_CHAR(date\_of\_registration 'Month dd, YYYY')

FROM STUDENT 3;



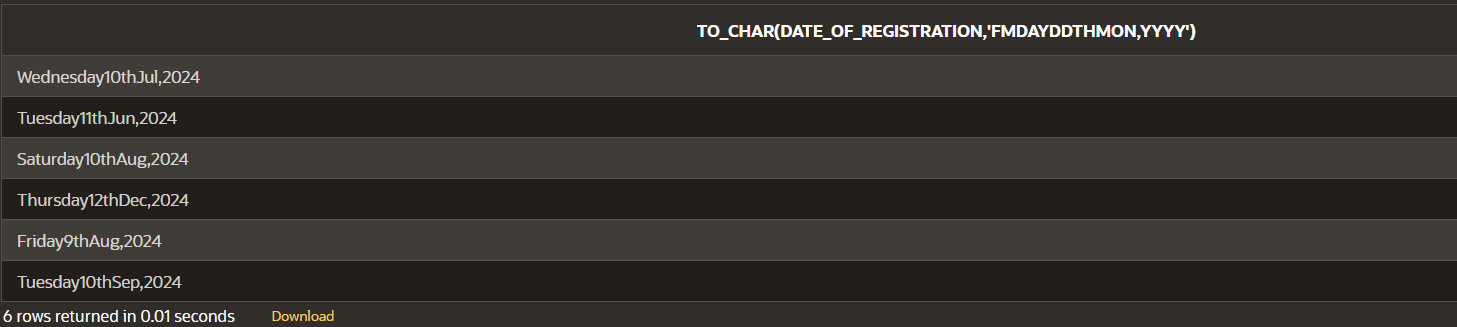
SELECT TO\_CHARdate\_of\_registration, 'fmMonthddth, YYYY')

FROM STUDENT3;



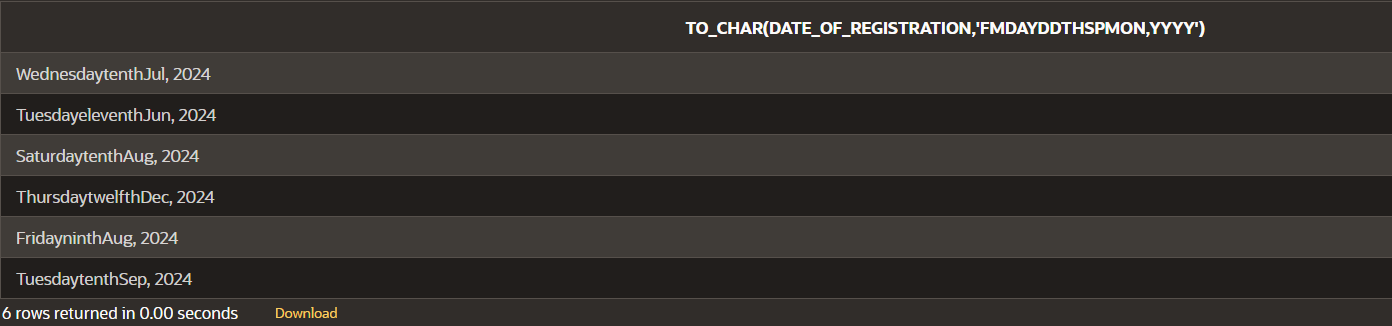
SELECT TO\_CHAR(date\_of\_registration, 'fmDayddthMon, YYYY')

FROM STUDENT3;



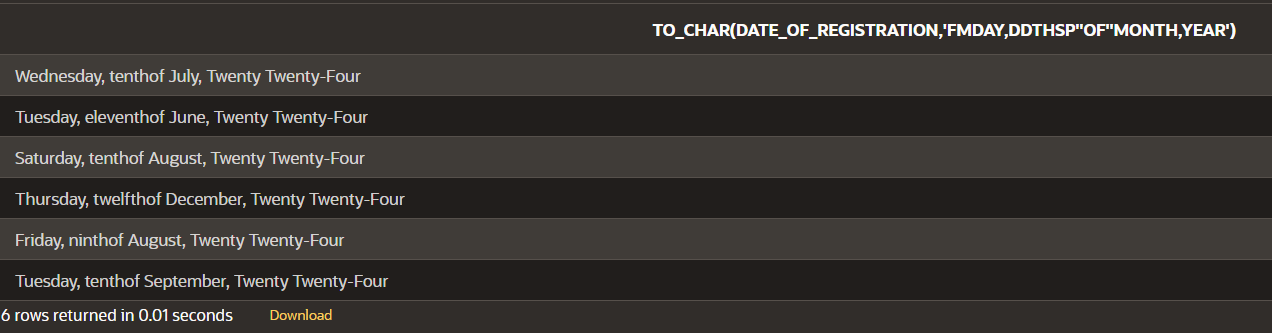
SELECT TO\_CHAR(date\_of\_registration, 'fmDayddthspMon, YYYY')

FROM STUDENT3;



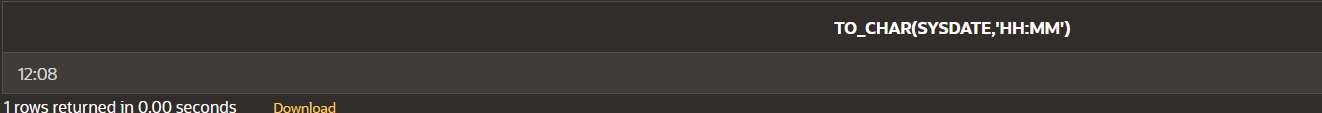
SELECT TO\_CHAR(date\_of\_registration, 'fmDay, ddthsp "of" Month, Year')

FROM STUDENT3;



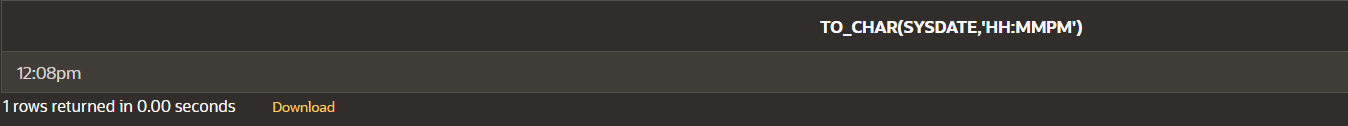
SELECT TO\_CHAR(SYSDATE, 'hh:mm')

FROM dual;



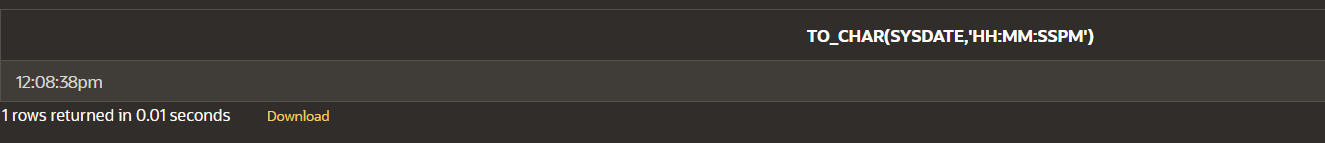
SELECT TO\_CHAR(SYSDATE, 'hh:mmpm')

FROM dual;



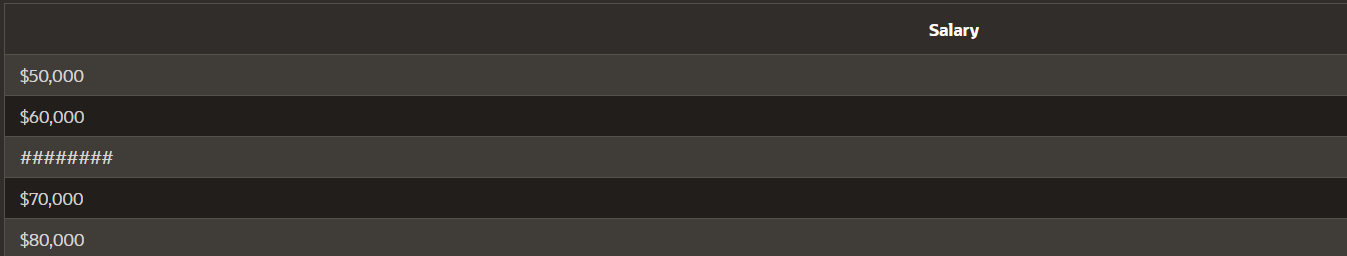
SELECT TO\_CHAR(SYSDATE, 'hh:mm:sspm')

FROM dual;



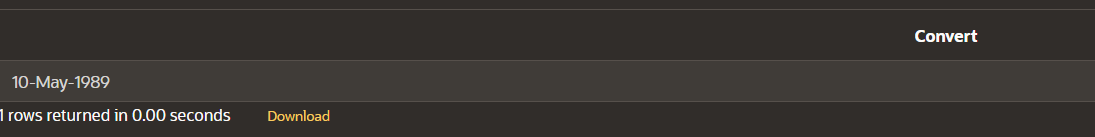
SELECT TO\_CHAR(salary, '$99,999') AS "Salary"

FROM Employee;



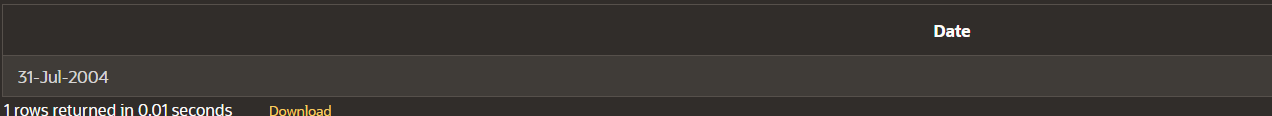
SELECT TO\_DATE('May10,1989', 'fxMonDD,YYYY') AS "Convert"

FROM DUAL;



SELECT TO\_DATE('July312004', 'fxMonthDDYYYY') AS "Date"

FROM DUAL;

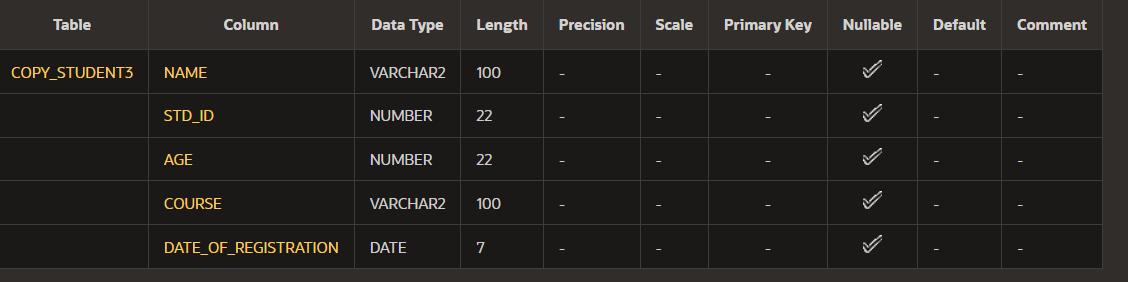


COPYING THE TABLE FROM ANOTHER TABLE :

CREATE TABLE copy\_STUDENT3

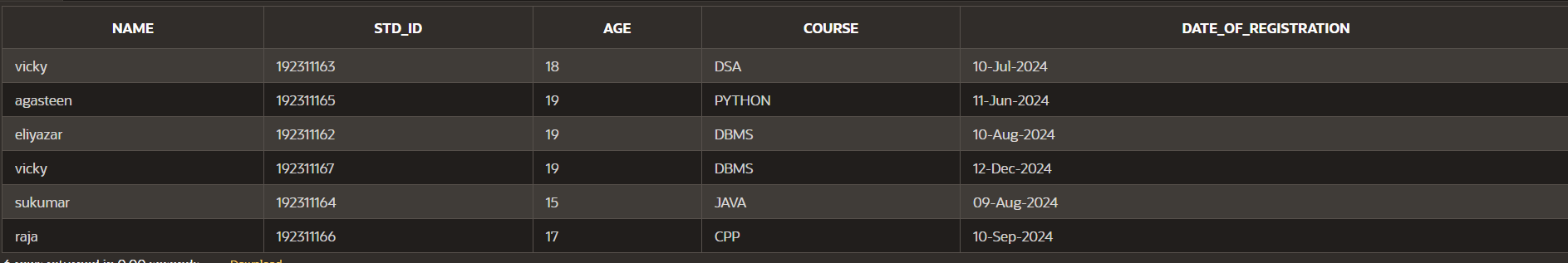
AS (SELECT \* FROM STUDENT3);

DESC copy\_STUDENT3;



SELECT \*

FROM copy\_STUDENT3;

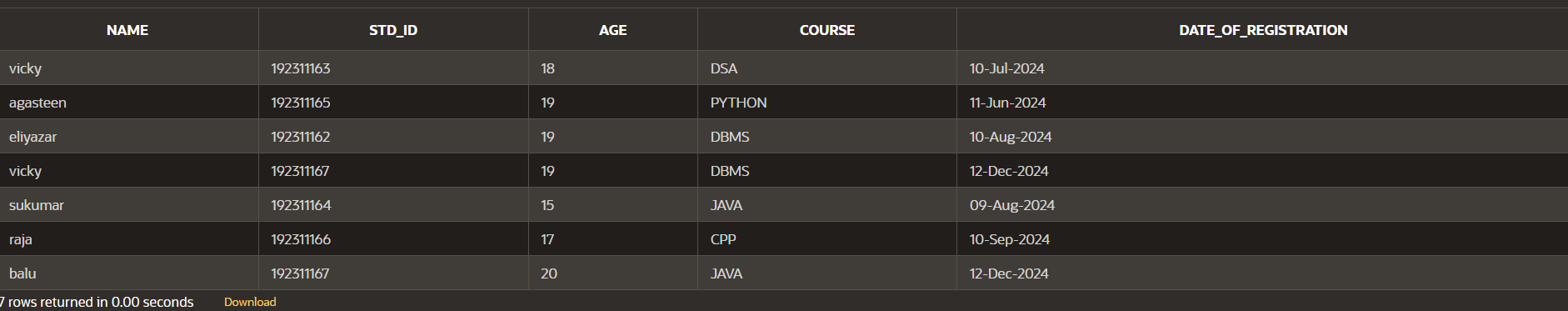


INSERTING THE VALUES INTO THAT COPIED TABLES :

INSERT INTO copy\_STUDENT3(name,std\_id,age,course,date\_of\_registration)VALUES ('balu',192311167,20,'JAVA',TO\_DATE('12-12-2024','DD-MM-YYYY'));

SELECT \*

FROM copy\_STUDENT3;

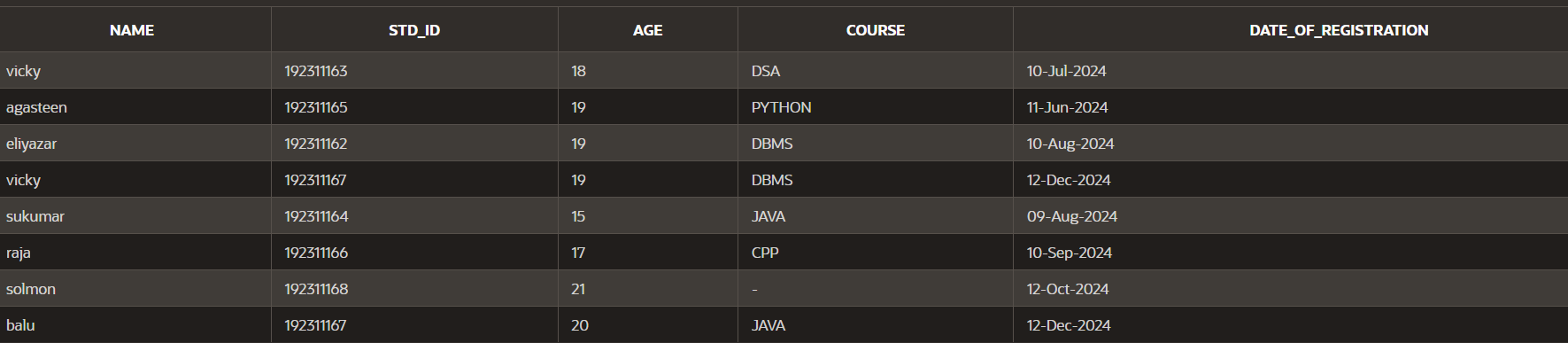


INSERTING NULL VALUES INTO TABLE :

INSERT INTO copy\_STUDENT3(name,std\_id,age,course,date\_of\_registration)VALUES ('solmon',192311168,21,'',TO\_DATE('12-10-2024','DD-MM-YYYY'));

SELECT \*

FROM copy\_STUDENT3;



INSERTING SPECIAL VALUES INTO TABLE:

INSERT INTO copy\_STUDENT3(name,std\_id,age,course,date\_of\_registration)VALUES (USER,192311169,21,'C',SYSDATE);

SELECT \*

FROM copy\_STUDENT3

WHERE std\_id=192311169;

