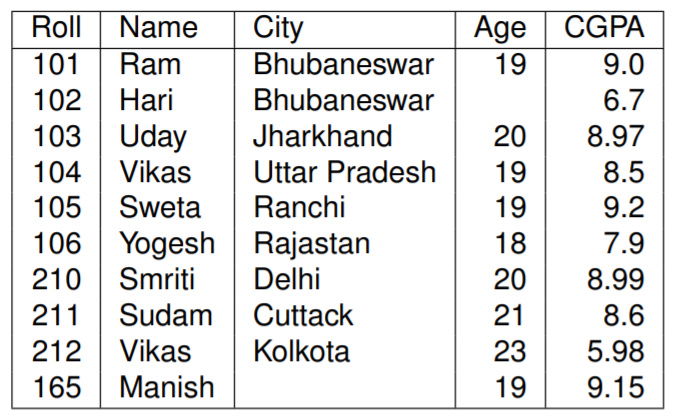
Lab Assignment-02

ROLL: 2005535 | NAME: SAHIL SINGH | DATE: 12/01/22

**QUES 1: Practice SQL Fundamental Commands on the table shown below:**



**SOLUTION:**

**TABLE CREATION:**

SQL> insert into student\_table values(101,'Ram','Bhubaneswar',19,9.0);

SQL> insert into student\_table(Roll,Name,City,CGPA) values(102,'Hari','Bhubaneswar',6.7);

SQL> insert into student\_table values(103,'Uday','Jharkhand',20,8.97);

SQL> insert into student\_table values(104,'Vikas','Uttar Pradesh',19,8.5);

SQL> insert into student\_table values(105,'Sweta','Ranchi',19,9.2);

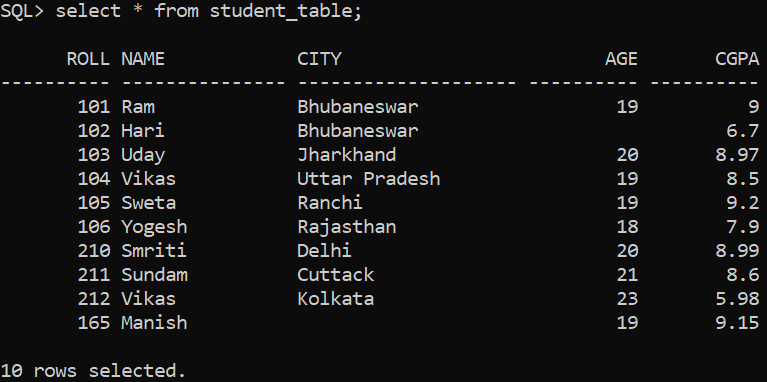
SQL> insert into student\_table values(106,'Yogesh','Rajasthan',18,7.9);

SQL> insert into student\_table values(210,'Smriti','Delhi',20,8.99);

SQL> insert into student\_table values(211,'Sundam','Cuttack',21,8.6);

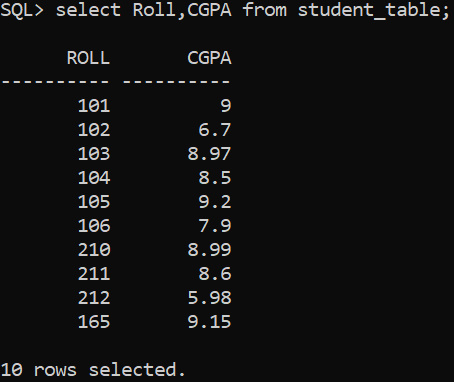
SQL> insert into student\_table values(212,'Vikas','Kolkata',23,5.98);

SQL> insert into student\_table(Roll,Name,Age,CGPA) values(165,'Manish',19,9.15);



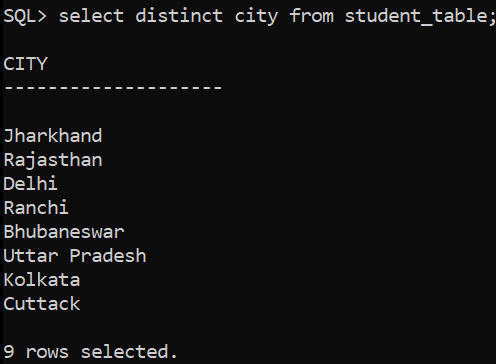
**SELECT STATEMENT:**

SQL> select Roll,CGPA from student\_table;



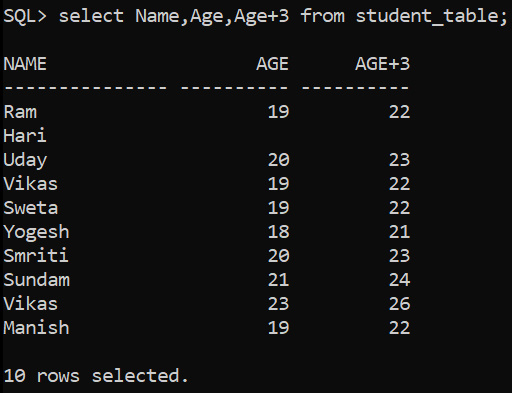
**DISPLAYING DISTINCT ROWS:**

SQL> select distinct city from student\_table;



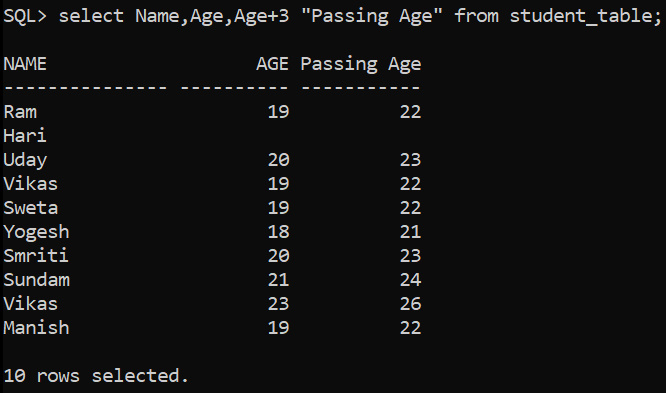
**USE OF ARITHEMATIC EXPRESSIONS:**

SQL> select Name,Age,Age+3 from student\_table;



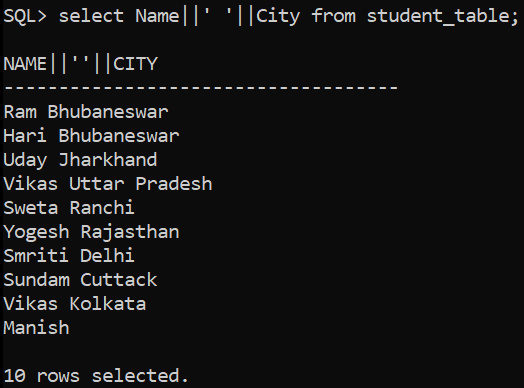
**USE OF ALIAS:**

SQL> select Name,Age,Age+3 "Passing Age" from student\_table;



**CONCATENATION:**

SQL> select Name||' '||City from student\_table;

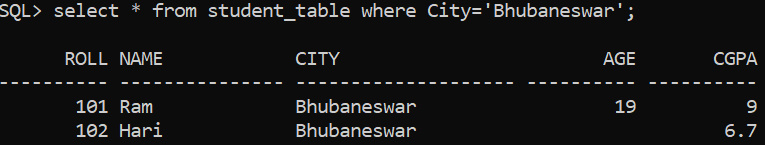


SQL> select Name||' '||City as "Address" from student\_table;



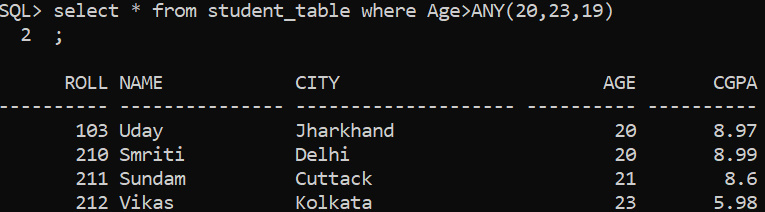
**SELECTING SPECIFIC RECORDS:**

SQL> select \* from student\_table where City='Bhubaneswar';

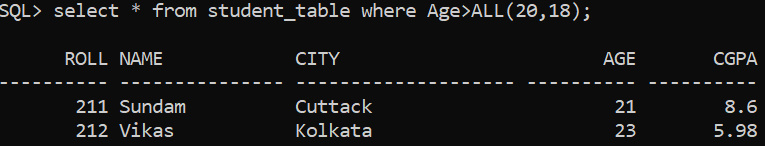


**RELATIONAL OPERATORS:**

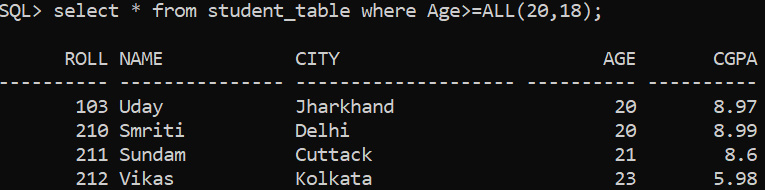
SQL> select \* from student\_table where Age>ANY(20,23,19);



SQL> select \* from student\_table where Age>ALL(20,18);

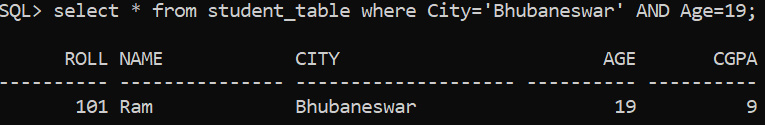


SQL> select \* from student\_table where Age>=ALL(20,18);

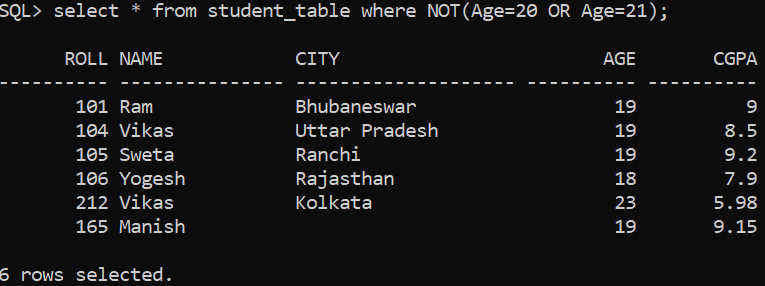


**LOGICAL OPERATORS:**

SQL> select \* from student\_table where City='Bhubaneswar' AND Age=19;

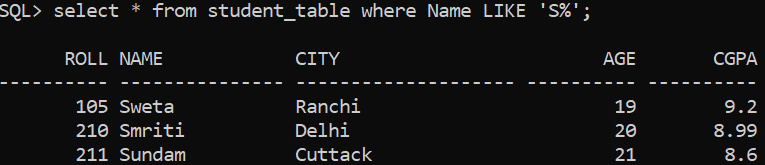


SQL> select \* from student\_table where NOT(Age=20 OR Age=21);

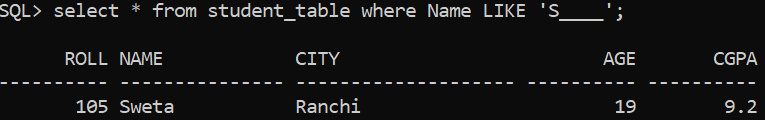


**LIKE OPERATOR:**

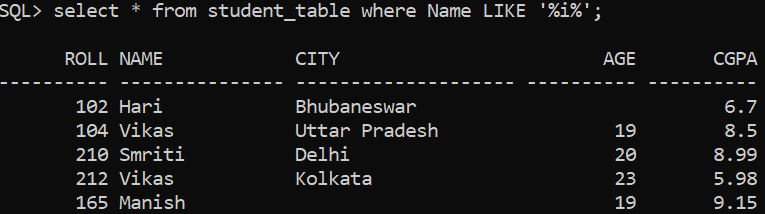
SQL> select \* from student\_table where Name LIKE 'S%';



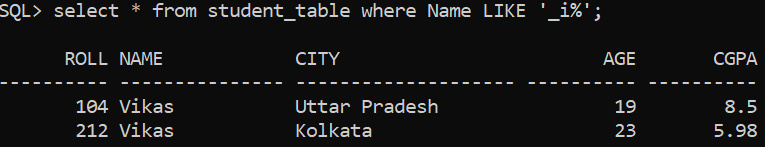
SQL> select \* from student\_table where Name LIKE 'S\_\_\_\_';



SQL> select \* from student\_table where Name LIKE '%i%';

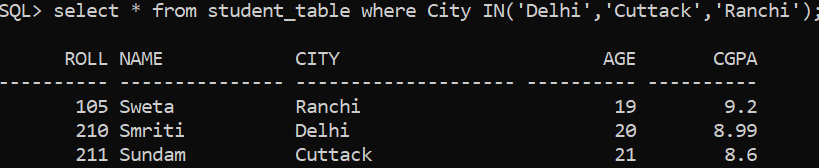


SQL> select \* from student\_table where Name LIKE '\_i%';

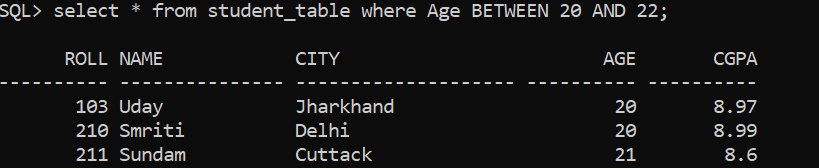


**SPECIAL OPERATORS:**

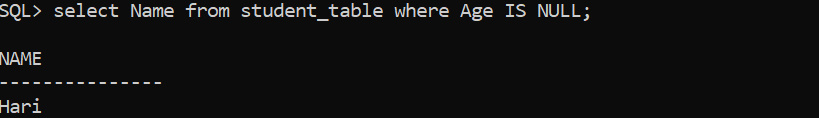
SQL> select \* from student\_table where City IN('Delhi','Cuttack','Ranchi');



SQL> select \* from student\_table where Age BETWEEN 20 AND 22;

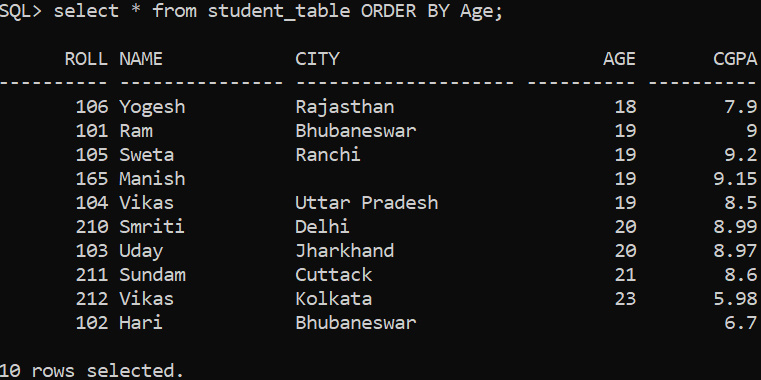


SQL> select Name from student\_table where Age IS NULL;

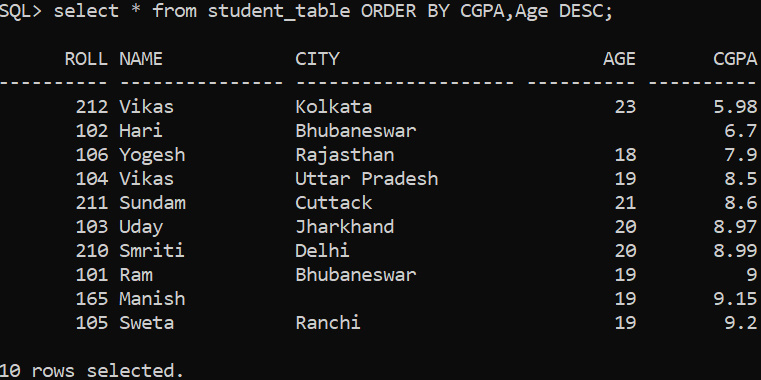


**ORDER BY CLAUSE USING COLUMN NAME:**

SQL> select \* from student\_table ORDER BY Age;

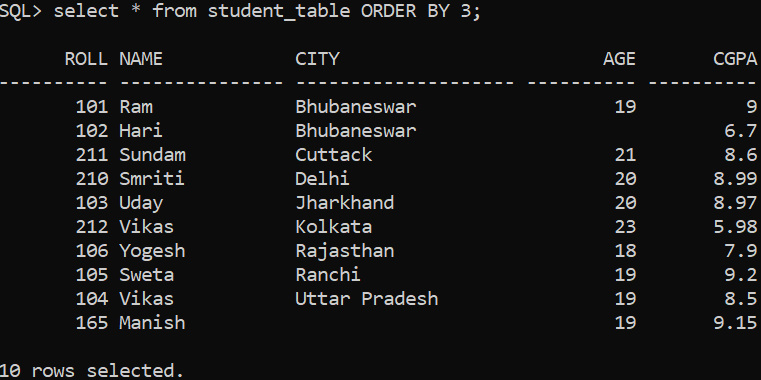


SQL> select \* from student\_table ORDER BY CGPA,Age DESC;

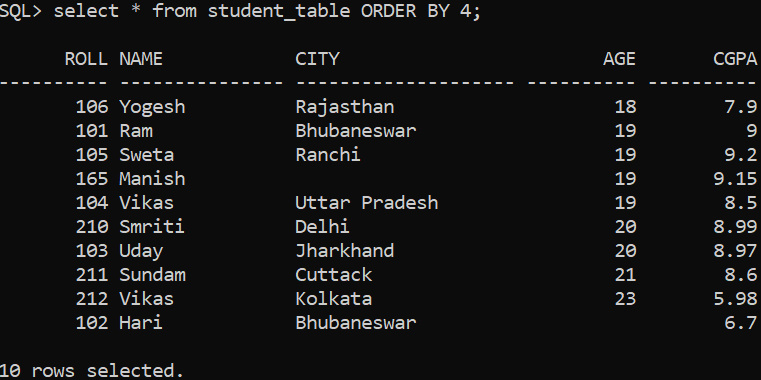


**ORDER BY CLAUSE USING COLUMN NUMBER:**

SQL> select \* from student\_table ORDER BY 3;

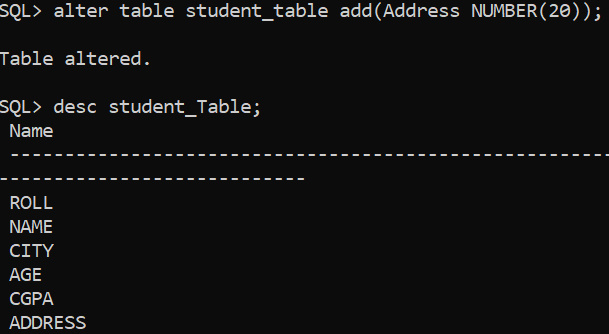


SQL> select \* from student\_table ORDER BY 4;



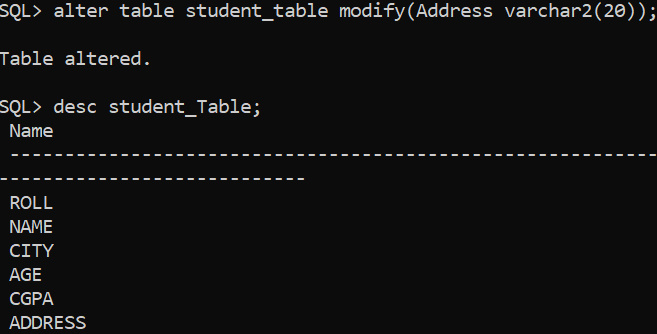
**ADDING A NEW COLUMN:**

SQL> alter table student\_table add(Address NUMBER(20));



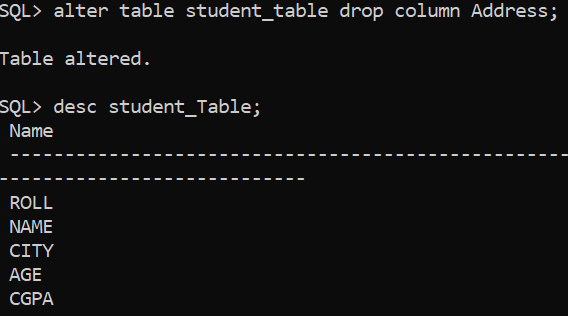
**MODIFYING AN EXISTING COLUMN:**

SQL> alter table student\_table modify(Address varchar2(20));



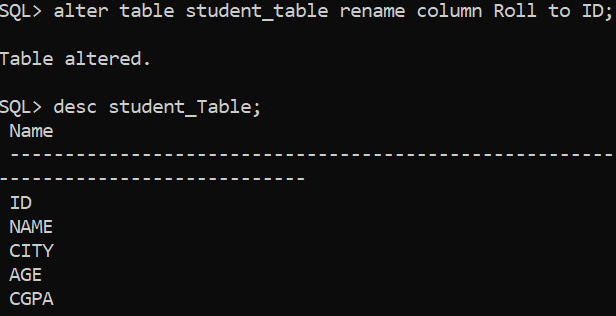
**DROPPING A COLUMN:**

SQL> alter table student\_table drop column Address;



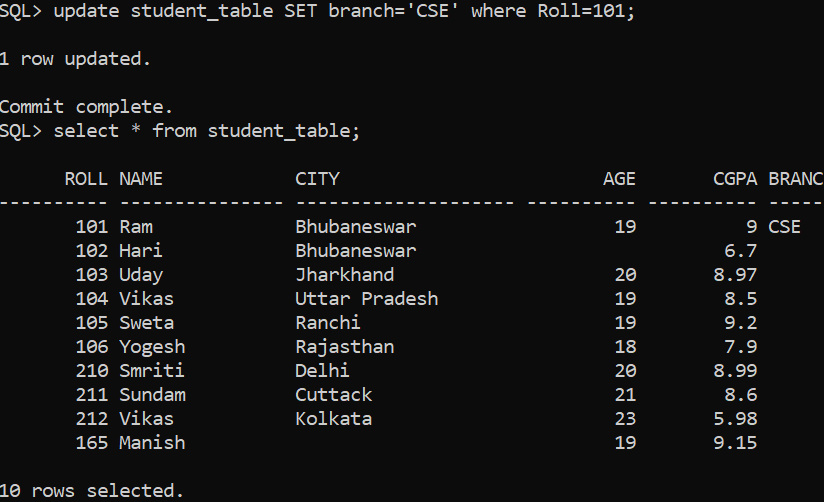
**RENAMING A COLUMN:**

SQL> alter table student\_table rename column Roll to ID;



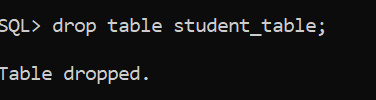
**UPDATE STATEMENT:**

SQL> update student\_table SET branch='CSE' where Roll=101;



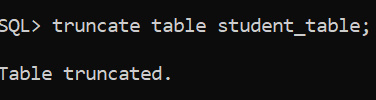
**DROP COMMAND:**

SQL> drop table student\_table;



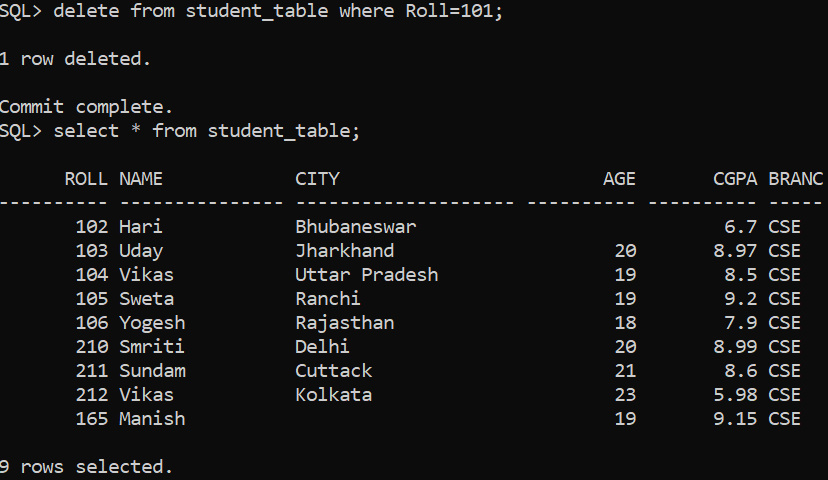
**TRUNCATE COMMAND:**

SQL> truncate table student\_table;

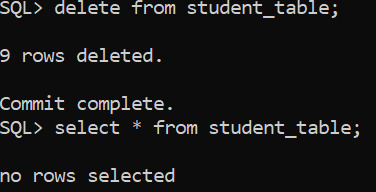


**DELETE COMMAND:**

SQL> delete from student\_table where Roll=101;

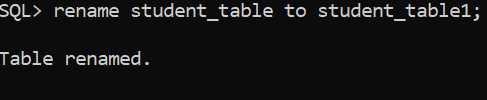
****

SQL> delete from student\_table;



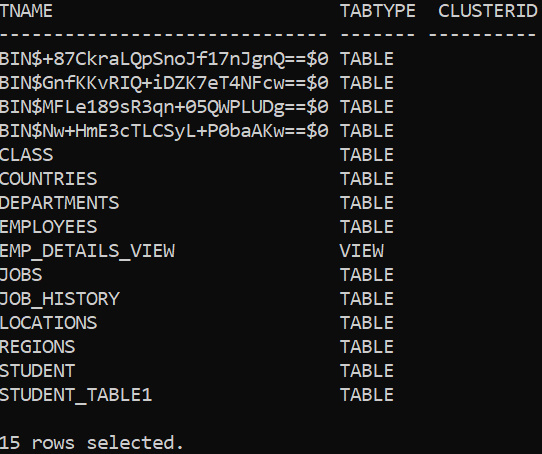
**RENAME COMMAND:**

SQL> rename student\_table to student\_table1;



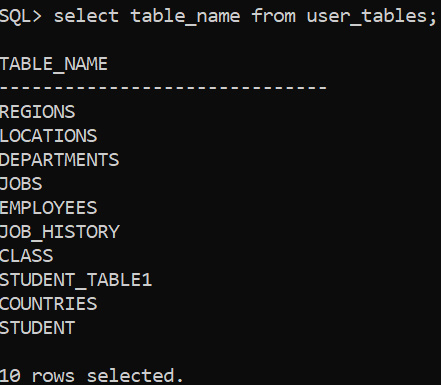
**VIEWING ALL USER OBJECTS:**

SQL> select \* from tab;



**VIEWING ALL USER TABLES:**

SQL> select table\_name from user\_tables;



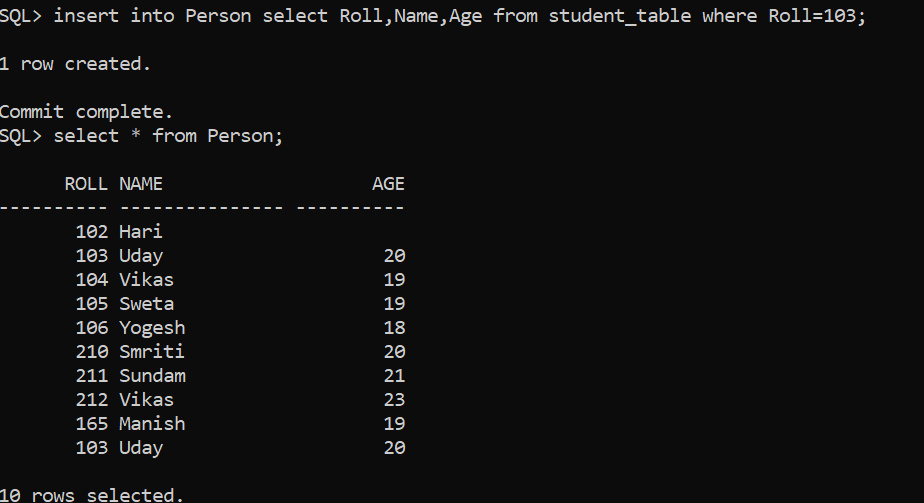
**CREATE TABLE FROM ANOTHER TABLE:**

SQL> create table Person(Roll,Name,Age) as select Roll,Name,Age from student\_table1;

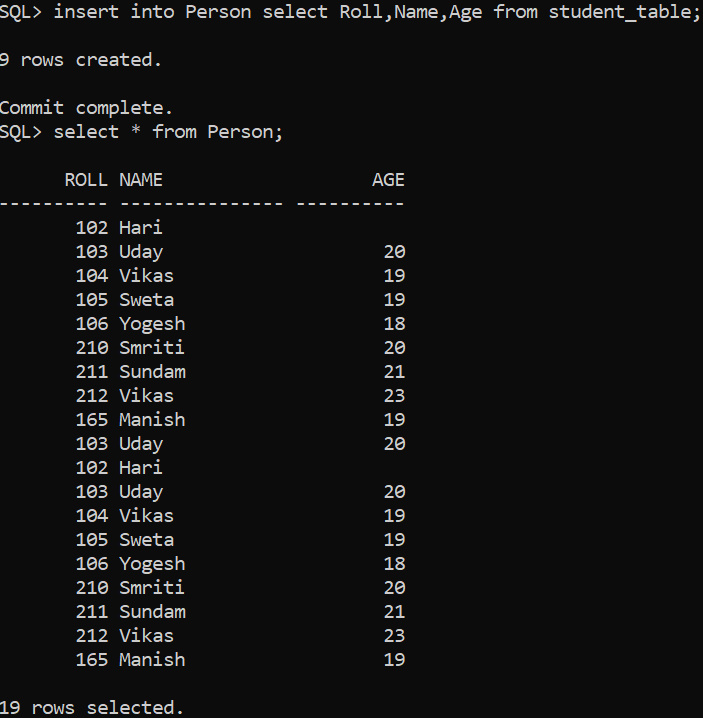


**INSERTING DATA INTO A TABLE FROM ANOTHER TABLE:**

SQL> insert into Person select Roll,Name,Age from student\_table where Roll=103;

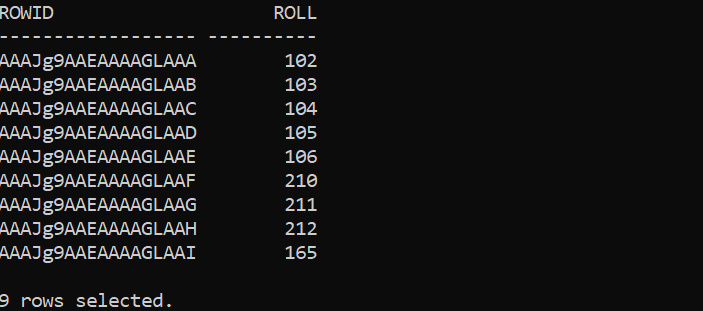


SQL> insert into Person select Roll,Name,Age from student\_table;

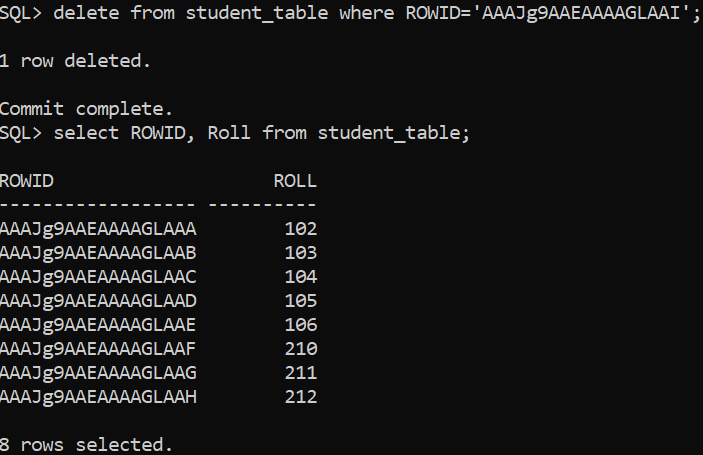


**ROWID:**

SQL> select ROWID, Roll from student\_table;



SQL> delete from student\_table where ROWID='AAAJg9AAEAAAAGLAAI';



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