

DDL COMMANDS:

- ddl stands for data definition language
- ddl is a set of sql commands used to create, modify, and delete database structures but not data.

List of DDL commands:

• <u>CREATE</u>: This command is used to create the database or its objects (like table, index, function, views, store procedure, and triggers).

DROP: This command is used to delete objects from the database.

ALTER: This is used to alter the structure of the database.

TRUNCATE: This is used to remove all records from a table, including all spaces allocated for the records are removed.

COMMENT: This is used to add comments to the data dictionary.

RENAME: This is used to rename an object existing in the database.

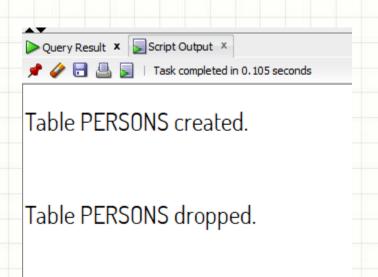


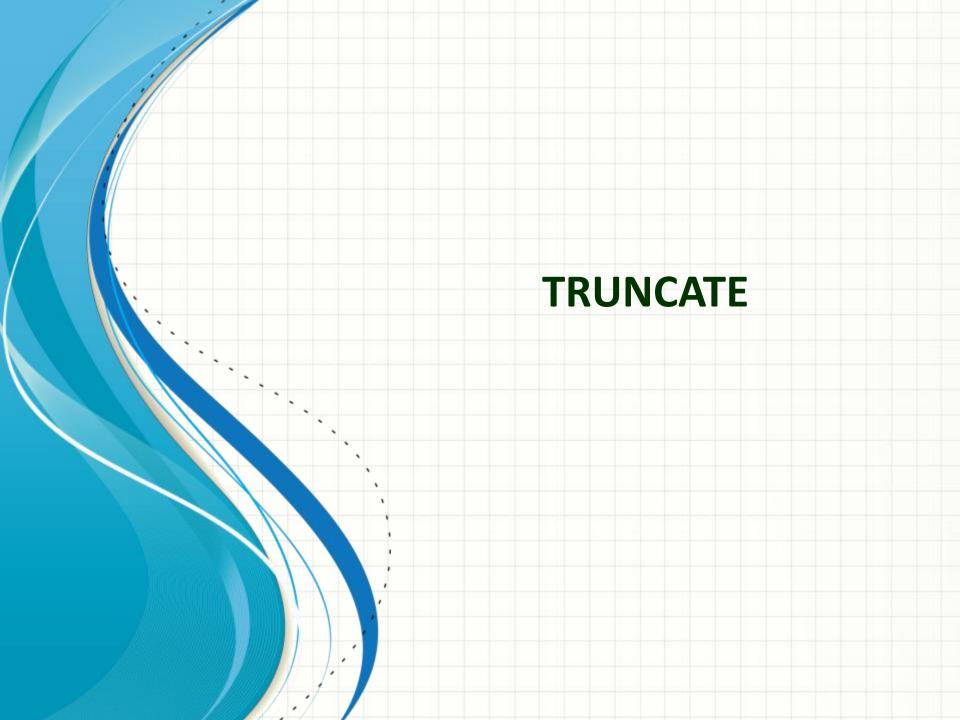
TO CREATE A TABLE **SYNTAX** CREATE TABLE table_name (column's datatypes); **CREATE TABLE Persons (** PersonID int, LastName varchar(255), FirstName varchar(255), Address varchar(255), City varchar(255);





- DROP THE TABLE
- SYNTAX
- DROP TABLE table_name;
- DROP TABLE Persons;





- TRUNCATE THE TABLE
- SYNTAX
- TRUNCATE TABLE table_name;
- TRUNCATE TABLE Persons;

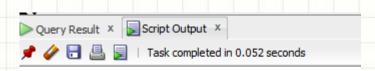


Table PERSONS created.

Table PERSONS truncated.



- Rename THE TABLE
- SYNTAX
- RENAME TABLE Old_Table_Name TO New_T able_Name;

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- TO ADD COLOUMNS IN A TABLE
- SYNTAX
- ALTER TABLE table_name (column's datatypes);
- VARCHAR 2000BYTES
- VARCHAR2 4000 BYTES IT HAS ALL THE SPECIAL CHARACTERS ALSO
- ALTER TABLE Persons
 ADD Email varchar(255);

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	Script Output	Script Output × Query Result ×										
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	2	1V	Vengat	karumandapam	trichv	venkv@g	23000	10	B+	12041		
	3	2 V	Vengat	karumandapam	tṛichv	venky@g	23000	10	B+	12041		
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Н	5	45	Gaia	Adambakkam	chennai	gaia@gm	23000	10	0+	2509		
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Alter the table using modify

 ALTER TABLE Persons MODIFY (personid varchar(20));

INSERT VALES IN TABLE

SYNTAX

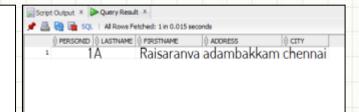
1 row inserted.

- INSERT INTO table_name (column's1)
 VALUES (value's);
- INSERT INTO Persons (PersonID, LastName,
 FirstName, Address, City)

VALUES ('0001','A','Rajsaranya','adambakkam','chennai');

SQL> INSERT INTO Persons (PersonID,LastName, FirstName,Address,City) 2 VALUES ('0001','A',' Rajsaranya','adambakkam','chennai');

l row inserted.

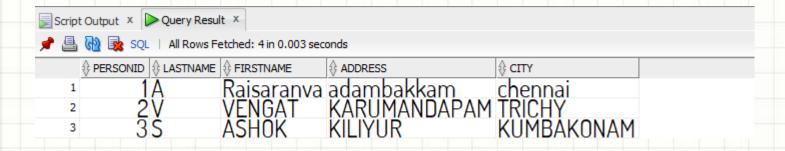


INSERT VALES IN TABLE MANUALY BY USER

Enter Substitution Variable

Enter value for ID:

- SYNTAX
- INSERT INTO table_name (column's1,..)
 VALUES ('&ALIASNAME',..);
- INSERT INTO Persons (PersonID, LastName, FirstName, Address, City)
- VALUES ('&ID','&LN','&FN','&ADD','&CITY');

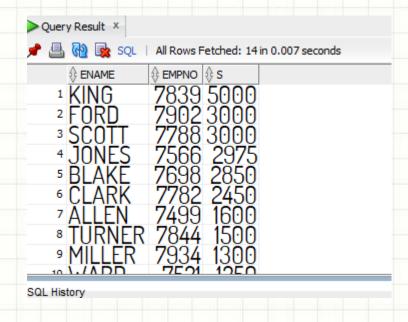


- TO ADD COLOUMNS IN THE TABLE
- SYNTAX
- ALTER TABLE table_name
 ADD column_name datatype(value);
- ALTER TABLE Persons
 ADD Persons_Salary varchar(data);
- ALTER TABLE Persons
 ADD Persons_Salary varchar2(250);

	Script Output X Query Result X Query Result 1 X													
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	1	PERSONID LASTNAME	FIRSTNAME	∯ ADDRESS	∯ CITY	PERSONS_SALARY								
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T	2	2 V	Vengat	karumandapam	trichv	(nu <mark>])</mark>								
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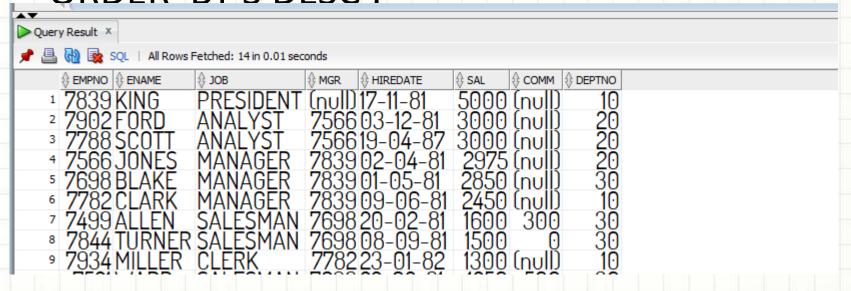
Sorting – NAME WISE

- This query is used to sort the values based on name
- SELECT * FROM TABLENAME ORDER BY COLUMNNAME DESC;
- SELECT * FROM TABLENAME ORDER BY COLUMNNAME ASC;
- SELECT ENAME, EMPNO, SAL S FROM EMP ORDER BY S DESC;



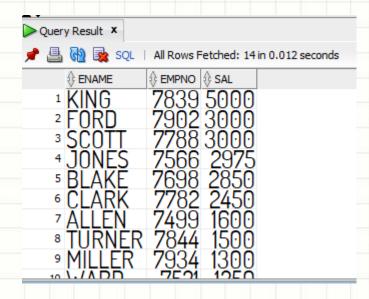
Sorting – ALIAS wise

- This query is used to sort the values based on the coloumn name and provide alias name.
- SELECT ENAME, EMPNO, SAL S FROM EMP ORDER BY S DESC :



Sorting – POSITION wise

- This query is used to sort the values based on the coloumn name by its positions.
- SELECT COLOUMN NAMES1,COLOUMN NAME 2,... FROM TABLENAME ORDER BY NO DESC;
- SELECT COLOUMN NAMES1,COLOUMN NAME 2,... FROM TABLENAME ORDER BY NO ASC;
- SELECT ENAME, EMPNO, SAL FROM EMP ORDER BY 3 DESC;





BACKUP TABLE

- CREATE TABLE NEW TABLENAME AS (SELECT * FROM OLD TABLE NAME);
- CREATE TABLE PERSON_INFO AS (SELECT * FROM PERSONS);

Table PERSON_INFO created.