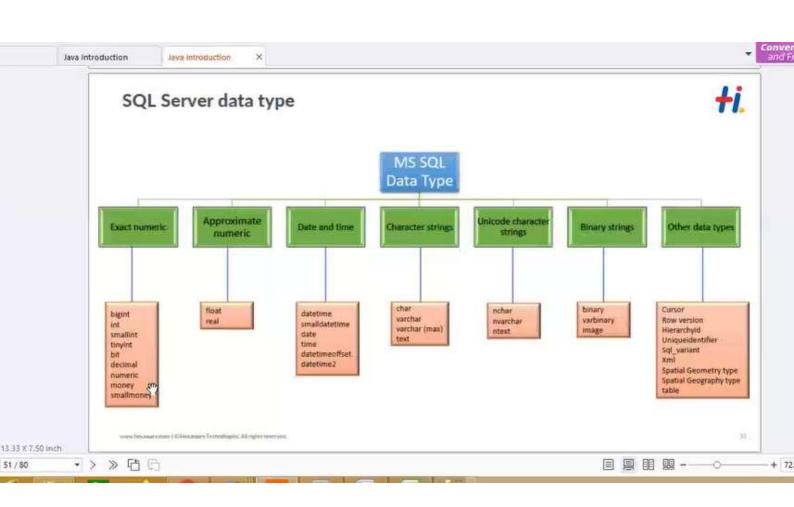
DDL

ti.

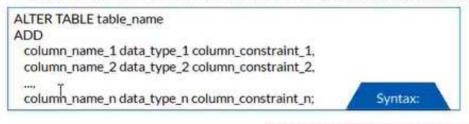
- DDL is short name of Data Definition Language.
- DDL deals with database schemas like table.
- DDL Commands
 - CREATE create the structure of a data base object (ex: table).
 - ALTER alters the structure of the existing database.
 - DROP delete objects from the database.
 - TRUNCATE remove all records from a table, including all spaces allocated for the records are removed.



4

ALTER TABLE

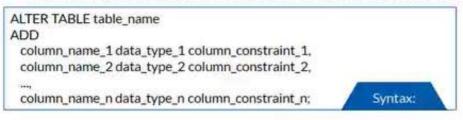
ALTER TABLE ADD COLUMN command. It will always add the new column at the last position in the table.



Example:

ALTER TABLE Student ADD Phone_number VARCHAR(20) NULL;

ALTER TABLE ADD COLUMN command. It will always add the new column at the last position in the table.



Example:

ALTER TABLE Student ADD Phone_number VARCHAR(20) NULL;

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ALTER TABLE



If we want to delete more than one column we can use the following syntax:

ALTER TABLE table_name
DROP COLUMN column_name1, DROP COLUMN column_name2...

Example:

ALTER TABLE Student DROP COLUMN Phone_number;

Add Constraint on the Column

Syntax:

ALTER TABLE table_name
ADD CONSTRAINT [constraint_name] PRIMARY KEY ([column_name])

Example:

ALTER TABLE Student ADD CONSTRAINT PrimaryKey PRIMARY KEY (Id);



INSERT INTO TABLE



INSERT INTO [database_name].[dbo].[table_name]
(column_name1, column_name2, ...)
VALUES
(value1, value2, ...);

store single records for all fields,

Example:

INSERT INTO Student (Name, Gender, Age, Marks) VALUES ('Peter Huges', 'Male', 32, 450);

store multiple records for all fields, use SELECT * FROM student to display records in table

INSERT INTO Student
VALUES ('Jolly Evans', 'Female', 28, 475),
('Alan Simmons', 'Male', 32, 405)
('Laura Bennet', 'Female', 30, 426);

Example:

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INSERT with SELECT statement:



 SQL Server also allows us to insert records from one table into another table using the INSERT INTO SELECT statement. Suppose we want to insert 'Student' table data into 'Student_info'.

INSERT INTO Student_info
SELECT Name, Gender, Marks FROM Student;

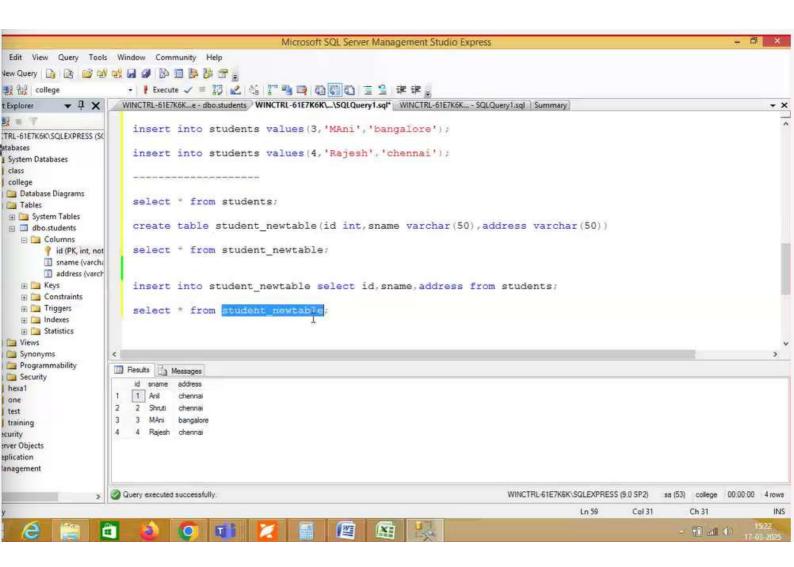
- · insert and return inserted values?
 - SQL Server provides the OUTPUT clause for capturing the inserted values into a defined table. We can
 explain this concept by using the below statement that inserts a new record into the 'Student' table and
 returns the inserted value of the 'Marks' column

INSERS (NTO Student (Name, Gender, Age, Marks)
OUTPUT inserted.Marks
VALUES ('J P Dumini', 'Male', 32, 450);

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Update Data in table



The UPDATE query is always recommended to use with the SET and WHERE clause. We can modify or
update the single or multiple columns at a time.

Update Single Column

```
UPDATE Student
SET Marks = 492
WHERE Name = 'Alan Simmons';
```

Update Multiple Column

```
UPDATE Student I
SET Age = 28, Marks = 492
WHERE Name = 'Diego Bennet';
```

Example:

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Use the DELETE statement to delete data from the existing table in the current schema or tables of the schema on which you have the DELETE privilege. Syntax: DELETE FROM table_name [WHERE Condition]; delete Single record Example: DELETE FROM student WHERE id = 1; delete Delete All Rows which results in Now, the Select * from Employee query will display the empty table. Example: DELETE FROM student; DELETE FROM student: DELETE FROM student: Example:

