SQL SELECT DATE

In Microsoft SQL Server, **SELECT DATE** is used to get the data from the table related to the date, the default format of date is 'YYYY-MM-DD'.

Syntax

```
SELECT * FROM table_name
WHERE condition1, condition2,..;
```

Now we will execute queries on SELECT DATE on database student in detail step-by-step.

Step 1: Creating a database university.

```
CREATE DATABASE student;
```

Step 2: Using the database student.

```
USE student;
```

Step 3: Creating a table assignment_details with 5 columns.

In MSSQL there is data type DATE which accepts date.

```
CREATE TABLE assignment_details
(
    stu_id VARCHAR(20),
    stu_name VARCHAR(20),
    assn_name VARCHAR(20),
    due_date DATE,
    submission_date DATE
);
```

```
CREATE TABLE assignment_details
( stu_id VARCHAR(20),
  stu_name VARCHAR(40),
  assn_name VARCHAR(20),
  due_date DATE,
  submission_date DATE);
```

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Messages

Commands completed successfully.

Completion time: 2021-04-20T15:35:15.6951236+05:30

Step 4: Adding rows into table assignment_details.

```
INSERT INTO assignment_details
VALUES
    ('191021','SUJITH','DBMS','2021-04-21','2021-04-25'),
    ('191022','SUDEEP','DBMS','2021-04-21','2021-04-20'),
    ('191023','SARASWAT','O.S','2021-04-22','2021-04-24'),
    ('191024','SATWIK','C++','2021-04-23','2021-04-19'),
    ('191025','KOUSHIK','C++','2021-04-23','2021-04-21'),
    ('191026','ABHISHEK','O.S','2021-04-22','2021-04-20');
```

```
SQLQuery2.sql - LA...HL8PKV\lokes (64))*  ☐ ×
  ☐INSERT INTO assignment_details VALUES
   ('191021','SUJITH','DBMS','2021-04-21','2021-04-25'),

   ('191022','SUDEEP','DBMS','2021-04-21','2021-04-20'),

   ('191023','SARASWAT','O.S','2021-04-22','2021-04-24'),

   ('191024','SATWIK','C++','2021-04-23','2021-04-19'),

   ('191025','KOUSHIK','C++','2021-04-23','2021-04-21'),

   ('191026','ABHISHEK','O.S','2021-04-22','2021-04-20');
```
```
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☐ Messages

   (6 rows affected)

   Completion time: 2021-04-20T16:15:55.5226754+05:30
```

Step 5: Viewing the rows in the table.
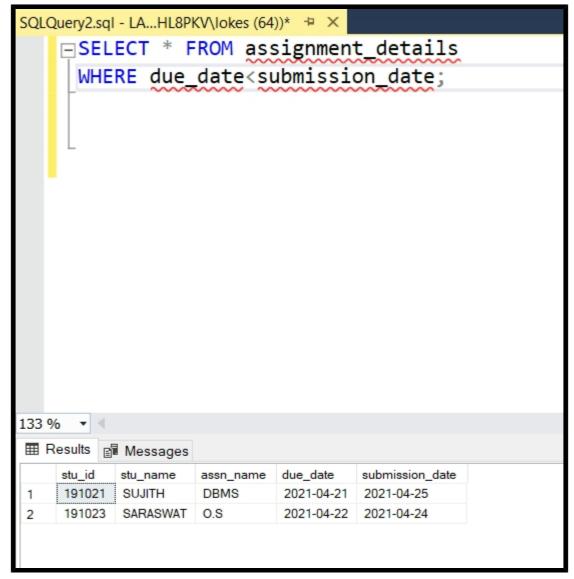
```
SELECT * FROM assignment_details;
```

```
SQLQuery2.sql - LA...HL8PKV\lokes (64))*  ☐ ×
  ☐SELECT * FROM assignment_details;
```

Query 1: Display students who have submitted on '2021-04-20'.

```
SELECT * FROM assignment_details
WHERE submission_date='2021-04-20';
```
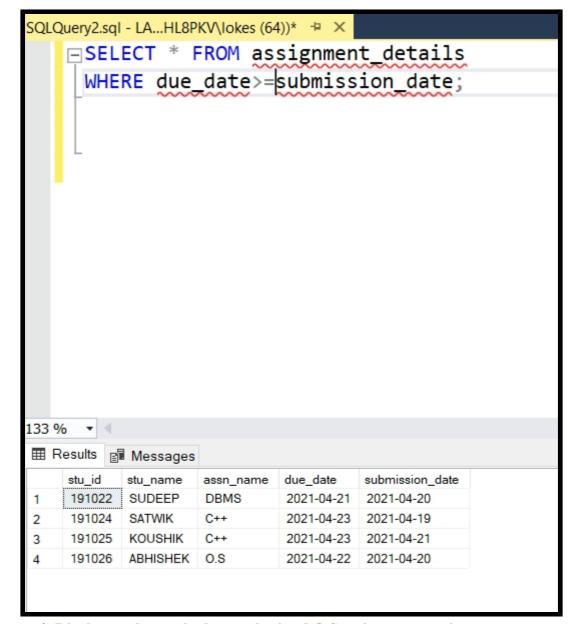
Query 2: Display students who have submitted after duedate.

```
SELECT * FROM assignment_details
WHERE due_date < submission_date;
```

```
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  ⊟SELECT * FROM assignment_details
   WHERE due_date<submission_date;
```

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▦ Results 🗊 Messages

	stu_id	stu_name	assn_name	due_date	submission_date
1	191021	SUJITH	DBMS	2021-04-21	2021-04-25
2	191023	SARASWAT	O.S	2021-04-22	2021-04-24

Query 3: Display students who have submitted before duedate.

```
SELECT * FROM assignment_details
WHERE due_date >= submission_date;
```

```sql
SELECT * FROM assignment_details
WHERE due_date>=submission_date;
```

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Results   Messages

	stu_id	stu_name	assn_name	due_date	submission_date
1	191022	SUDEEP	DBMS	2021-04-21	2021-04-20
2	191024	SATWIK	C++	2021-04-23	2021-04-19
3	191025	KOUSHIK	C++	2021-04-23	2021-04-21
4	191026	ABHISHEK	O.S	2021-04-22	2021-04-20

Query 4: Display students who have submitted O.S assignment on time.

```sql
SELECT stu_id,stu_name,submission_date
FROM assignment_details
WHERE assn_name='O.S' AND due_date >= submission_date;
```

```
SELECT stu_id,stu_name,submission_date FROM assignment_details
WHERE assn_name='O.S' AND due_date>=submission_date;
```

SQLQuery2.sql - LA...HL8PKV\lokes (64))* ⇥ ✕

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⊞ Results 📄 Messages

	stu_id	stu_name	submission_date
1	191026	ABHISHEK	2021-04-20