Data Type	Lower limit	Upper limit	Memory	Precision
float(n)	-1.79E+308	1.79E+308	Depends on the value of n	7 Digit
real	-3.40E+38	3.40E+38	4 bytes	15 Digit

Approximate numeric data types

 The approximate numeric data type stores floating point numeric data. They are often used in scientific calculations.

Data Type	Lower limit	Upper limit	Memory
char	0 chars	8000 chars	n bytes
varchar	0 chars	8000 chars	n bytes + 2 bytes
varchar (max)	0 chars	2^31 chars	n bytes + 2 bytes
text	0 chars	2,147,483,647 chars	n bytes + 4 bytes

Character strings data types

 Character strings data types allow you to store either fixed-length (char) or variable-length data (varchar). The text data type can store non-Unicode data in the code page of the server.

Select - Syntax

```
SELECT
select_list
FROM
schema_name.table_name;
```

SQL Server SELECT – sort the result set

SELECT

*

FROM

sales.customers

WHERE

state = 'CA';

SQL Server SELECT – retrieve some columns of a table example

```
SELECT
first_name,
last_name
FROM
sales.customers;
```

SQL Server SELECT – group rows into groups example

```
SELECT city, COUNT (*)
FROM sales.customers
WHERE state = 'CA'
GROUP BY city
ORDER BY city;
```