|  |  |  |  |
| --- | --- | --- | --- |
| **DATA TYPE** | **FROM** | **TO** | |
| bigint | -9,223,372,036,854,770,000 | 9,223,372,036,854,770,000 | |
| int | -2,147,483,648 | 2,147,483,647 | |
| smallint | -32,768 | 32,767 | |
| tinyint | 0 | 255 | |
| bit | 0 | 1 | |
| decimal | 1E+38 | 10^38 -1 | |
| float | -1.79E + 308 | 1.79E + 308 | |
| real | -3.40E + 38 | 3.40E + 38 | |
| datetime | Jan 1, 1753 | 31-Dec-99 | |
| smalldatetime | 1-Jan-00 | 6-Jun-79 | |
| date | Stores a date like June 30, 1991 | | |
| time | Stores a time of day like 12:30 P.M. | | |
| char | Maximum length of 8,000 characters. | | |
| varchar | Maximum of 8,000 characters.(Variable-length non-Unicode data). | | |
| varchar(max) | Maximum length of 231characters, Variable-length non-Unicode data | | |
| text | Variable-length non-Unicode data with a maximum length of 2,147,483,647 | | |
| sysname | The sysname data type is used for storing object names. | | |
| xml | Stores xml formateddata.maxi 2gb | | |
| cursor | Stores a reference to a cursor used for database operations | | |
| uniqueidentifier | Stores a golbally unique identifier(guid) | | |
| image | To store images. binary format. | | |
| binary(n) | To store media information, binary data | | |
| table | To store table data (array of values) | | |
| varbinary(max) | variable width binary string,maxi 2gb | | |
| nvarchar | variable width binary string,max4000char | |  |
| money | -922,337,203,685,477.5808 to 922,337,203,685,477.5807 | | |
| sql\_variant | stores upto 8,000 charcters | | |