HOW TO CREATE AND USE SQL LANGUAGE

# Making a table

| ID | NAME | AGE | SALARY | CITY | COUNTRY |
| --- | --- | --- | --- | --- | --- |
| 1 | Ramesh | 32 | 2000 | Maryland | USA |
| 2 | Mukesh | 40 | 5000 | New York | USA |
| 3 | Sumit | 45 | 4500 | Muscat | Oman |
| 4 | Kaushick | 25 | 2500 | Kolkata | India |
| 5 | Hardik | 29 | 3500 | Bhopal | India |
| 6 | Komal | 38 | 3500 | Saharanpur | India |
| 7 | Ayush | 25 | 3500 | Delhi | India |

* Start by creating the table and assigning field names and their data type

CREATE TABLE CUSTOMERS(

ID INTEGER PRIMARY KEY,

NAME TEXT,

AGE INTEGER,

SALARY DECIMAL,

CITY TEXT,

COUNTRY TEXT

);

| ID | NAME | AGE | SALARY | CITY | COUNTRY |
| --- | --- | --- | --- | --- | --- |

* Insert data into the created empty table using insert function

INSERT INTO CUSTOMERS VALUES(

1, "Ramesh", 32, 2000, "Maryland", "USA"

);

* Repeat this process to enter data into the table

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* We can manipulate the data inside the table using commands
* The SELECT function can be used to display all or specific parts of the table

SELECT \* FROM CUSTOMERS WHERE country = 'USA';

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| --- | --- | --- | --- | --- | --- |
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* This displays all the fields from the table “customers” where the country is USA

SELECT STATEMENT

* Used for queries on single or multiple tables
* Clauses of the select statement
  + SELECT
    - List the columns (and expressions) to be returned from the query
  + FROM
    - Indicate the table(s) or views(s) from which data will be obtained
  + WHERE
    - Indicate the conditions under which a row will be included in the result
  + GROUP BY
    - Indicate categorization of results
  + HAVING
    - Indicate the conditions under which a category (group) will be included
  + ORDER
    - Sorts the result according to the specified criteria