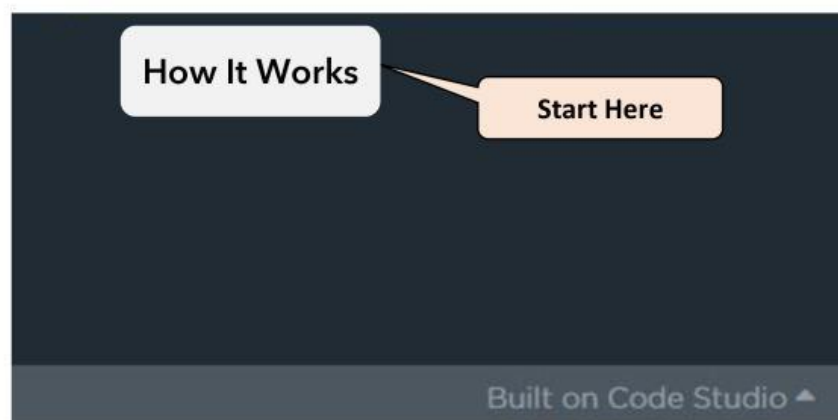


Project 99



Coding School



- ❖ Let's create an App that shows the spread of the Corona virus and its impact in each country.
- ❖ The design related to the design of this app and the required data table have been given to you. Click on How it works and start the project.
- ❖ Now let's see how to create the data table.
- ❖ First, download the csv file related to the data table using the google drive link below.
https://drive.google.com/file/d/1krv9se1bOltLsU-930SUe0lUm1p70D_1/view?usp=sharing
- ❖ Then download it to your computer as below through the tab that opens.

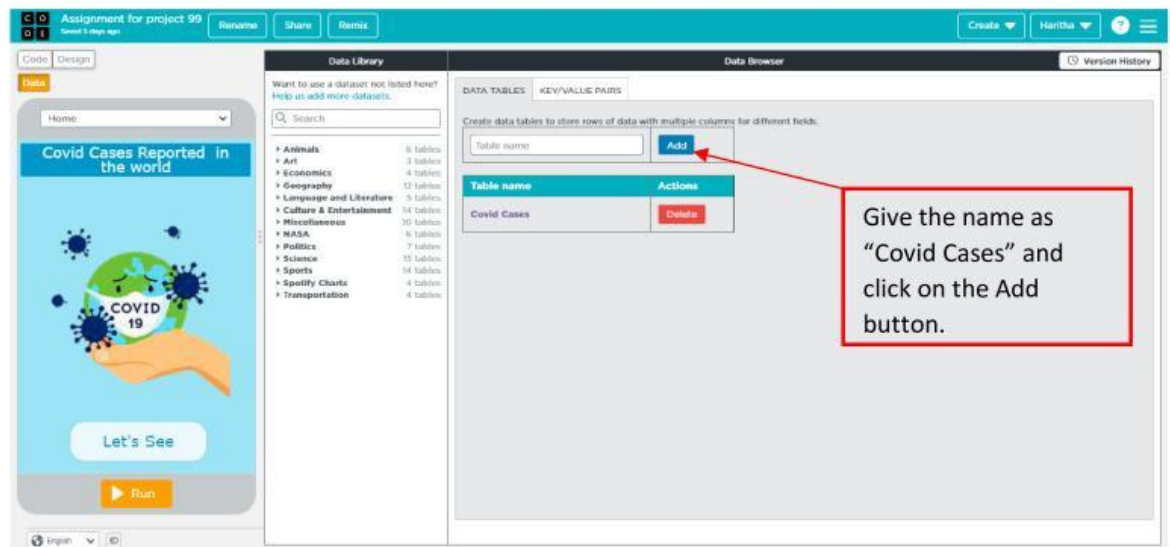
Covid Cases.csv

Open with ▾

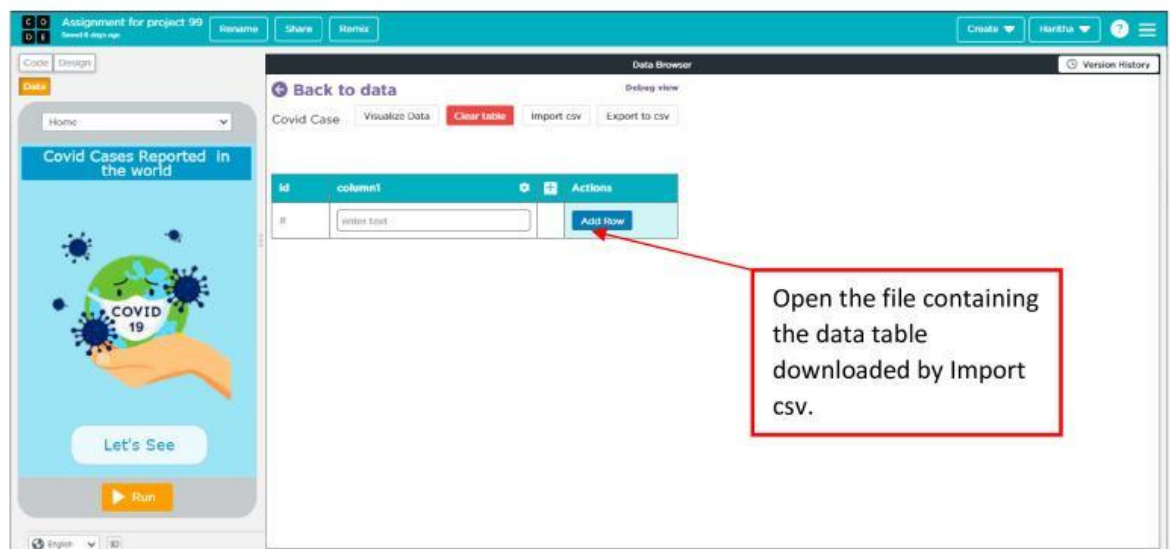
Click on this button and download.

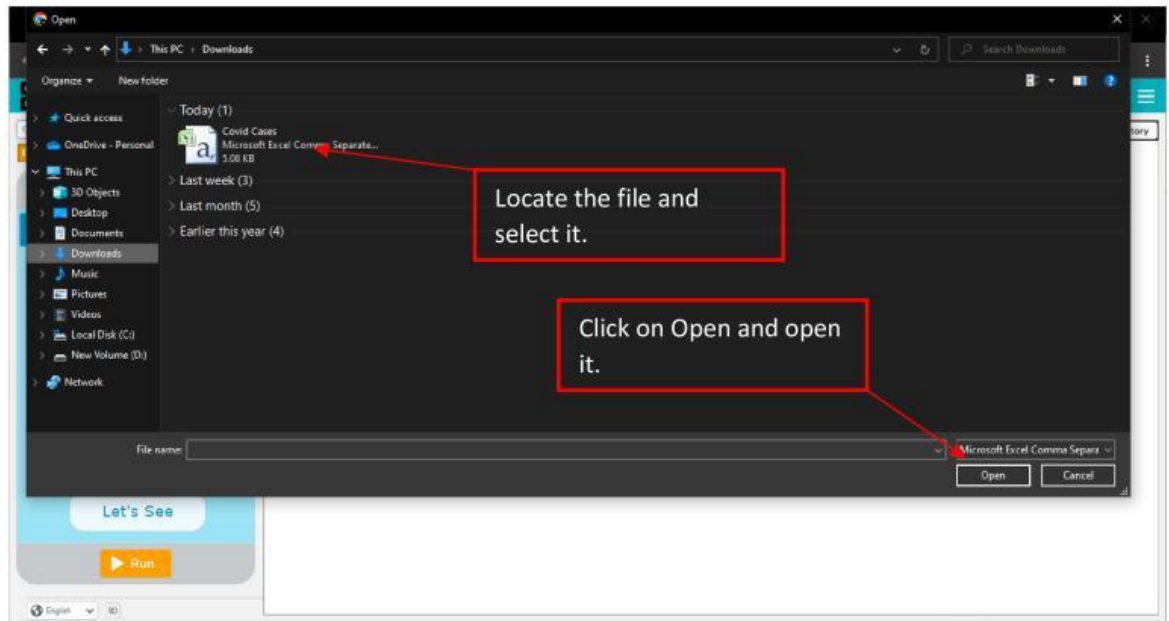
	A	B	C	D	E
1	Id	Country	Confirmed	Deaths	Recovered
2	1	Afghanistan	36263	1269	25194
3	2	Albania	4890	144	2745
4	3	Algeria	27973	1163	18637
5	4	Andorra	907	52	803
6	5	Angola	959	41	242
7	6	Anguilla and Barbuda	66	3	65
8	7	Argentina	167416	3059	72575
9	8	Armenia	57390	711	29665
10	9	Australia	15303	167	9311
11	10	Austria	20558	713	18246
12	11	Azerbaijan	30446	425	23242
13	12	Bahamas	362	11	91
14	13	Bahrain	39482	141	36119
15	14	Bangladesh	226225	2965	125683
16	15	Barbados	110	7	94
17	16	Belarus	67251	536	65492
18	17	Belgium	66428	9622	17452
19	18	Belize	48	2	25
20	19	Benin	1770	35	1638
21	20	Bhutan	99	0	86
22	21	Bolivia	71191	2647	21478
23	22	Bosnia and Herzegovina	10498	294	4939
24	23	Botswana	739	2	63
25	24	Brazil	2442378	87616	1548641
26	25	Brunei	141	3	138
27	26	Bulgaria	10821	347	5185

- ❖ Go to the data tab and add a table as "Covid Cases" as below.



- ❖ Open the created table and import the data table downloaded as below.





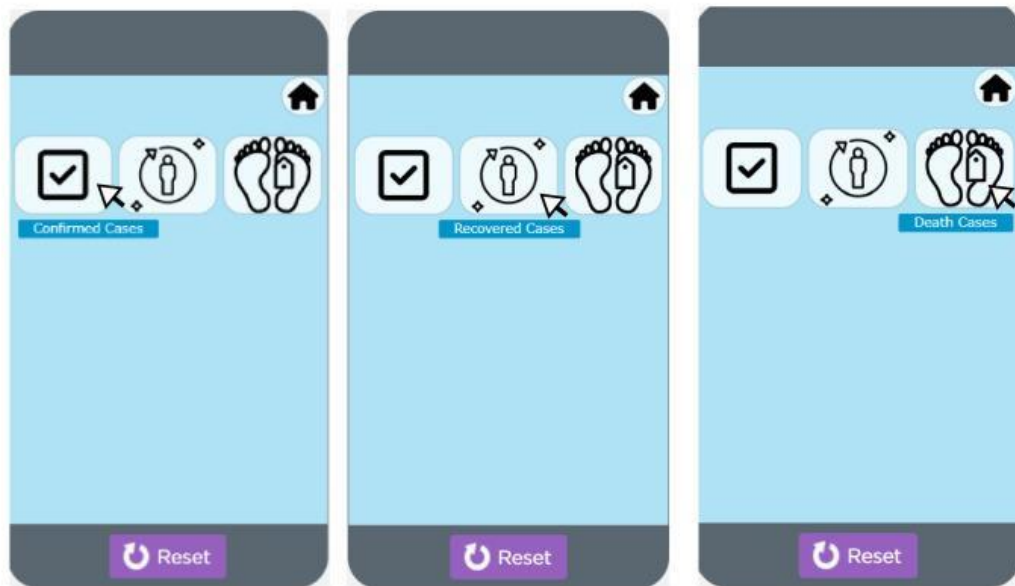
❖ Then the data table will open as follows.

Id	Country	Confirmed	Deaths	Recovered	Actions
1	"Afghanistan"	36263	1269	25198	Edit Delete
2	"Albania"	4880	144	2745	Edit Delete
3	"Algeria"	27923	863	38837	Edit Delete
4	"Andorra"	907	52	803	Edit Delete
5	"Angola"	950	41	242	Edit Delete
6	"Antigua and Barbuda"	86	3	65	Edit Delete
7	"Argentina"	167436	3058	72975	Edit Delete
8	"Armenia"	57390	78	26665	Edit Delete

❖ When you click on the "Let's see" button to go to the Cases Screen, code like this.

```
onEvent (▼ "btnViewCases", ▼ "click", function() {
  setScreen (▼ "Cases");
});
```

- ❖ Create the label that shows its name when moving the mouse over the three buttons on the Cases Screen and hide it when the mouse is removed.



- ❖ For that, the above label 3 has been hidden in the design. Let's create show hide by code as above.
- ❖ Code as follows to create what happens when the mouse is placed on the Confirmed cases button and when the mouse is removed.

```
onEvent(▼ "btnConfirmed", ▼ "mouseover", function() {
  showElement(▼ "btnConfirmLabel");
});
onEvent(▼ "btnConfirmed", ▼ "mouseout", function() {
  hideElement(▼ "btnConfirmLabel");
});
```

- ❖ Code as follows to create what happens when the mouse is brought to the Recovered cases button and when the mouse is removed.

```
onEvent(▼ "btnRecovered", ▼ "mouseover", function() {
  showElement(▼ "btnRecoveredLabel");
});
onEvent(▼ "btnRecovered", ▼ "mouseout", function() {
  hideElement(▼ "btnRecoveredLabel");
});
```

- ❖ Code as follows to create what happens when the mouse is brought to the death cases button and when the mouse is removed.


```
onEvent(▼ "btnDeath", ▼ "mouseover", function() {
  showElement(▼ "btnDeathTable");
});
onEvent(▼ "btnDeath", ▼ "mouseout", function() {
  hideElement(▼ "btnDeathTable");
});
```

- ❖ Now let's see how to create the graph of records related to each button when clicked.
- ❖ For this, the columns of the table imported above should be used.
- ❖ First, when you click on the Confirmed cases button, read the data table and code as follows to display the reported cases in each country through a line chart.

```
onEvent(▼ "btnConfirmed", ▼ "click", function() {
  drawChartFromRecords(▼ "chart1", ▼ "line", "Covid Cases", ["Country", "Confirmed"]);
});
```

Give the id of the chart in the Design to this position

The name of the data table

The two columns to be obtained from the data table for the x and y axes of the chart

Select the type of chart to be created at this point.

- ❖ As above, when you click on the Recovered cases button, generate the chart from the related records. For that, prepare the codes as follows.

```
onEvent(▼ "btnRecovered", ▼ "click", function() {
  drawChartFromRecords(▼ "chart1", ▼ "line", "Covid Cases", ["Country", "Recovered"]);
});
```

- ❖ When you click on the Death cases button, code as follows to create the chart from the records related to it.

```
onEvent(▼ "btnDeath", ▼ "click", function() {
  drawChartFromRecords(▼ "chart1", ▼ "line", "Covid Cases", ["Country", "Deaths"]);
});
```

- ❖ Finally, when you click on the Home button, code as follows to go back to the home screen.

```
onEvent(▼ "btnHome", ▼ "click", function() {
  setScreen(▼ "Home");
});
```