

Finals Lab Task 7.

MySQL CRUD Operations in Python Using GUI Tkinter

The GUI Design of the Demo interface

ID	Model	Year	Color	EngineCapacity	EnginePower	EngineType	Transmission	Price
7	BMW X1	2022	Blue	1800	200	Petrol	A	32000.00
8	BMW 4 Series	2023	Red	3000	350	Petrol	A	48000.00
9	BMW X6	2022	Black	4000	500	Diesel	M	75000.00
10	BMW i3	2021	Silver	1500	170	Electric	A	35000.00
11	BMW M4	2023	Blue	3000	450	Petrol	M	62000.00
12	BMW X2	2022	White	2000	230	Diesel	A	36000.00
13	BMW 3 Series	2023	Black	4400	600	Petrol	A	85000.00
14	BMW X7	2022	Silver	4500	550	Diesel	A	85000.00
15	BMW 2 Series	2023	Black	1800	200	Petrol	M	32000.00
16	BMW M2	2021	White	3000	385	Petrol	A	54000.00
17	BMW X4	2022	Blue	2000	240	Diesel	A	41000.00
18	BMW 6 Series	2023	Red	3500	420	Petrol	M	69000.00
19	BMW i8	2022	Black	1500	170	Electric	A	75000.00
20	BMW X8	2022	White	3000	400	Diesel	M	68000.00
21	BMW 4 Series	2023	Black	2500	320	Petrol	A	49000.00
22	BMW X3	2022	Blue	2000	240	Petrol	A	39000.00
23	BMW M4	2021	Red	3000	450	Petrol	M	62000.00
24	BMW X2	2022	White	2000	230	Diesel	A	38000.00
25	BMW 7 Series	2023	Black	4000	500	Diesel	M	77000.00
26	BMW i3	2022	Silver	1500	170	Electric	A	35000.00
27	BMW X5	2021	Blue	3000	350	Petrol	A	52000.00
28	BMW 3 Series	2023	Red	2000	290	Diesel	M	41000.00
29	BMW M5	2022	White	4000	600	Petrol	A	82000.00
30	BMW X1	2023	Black	1800	200	Petrol	A	32000.00
31	BMW 5 Series	2021	Silver	2500	380	Diesel	A	47000.00
32	BMW X7	2022	Black	4500	550	Diesel	A	87000.00
33	BMW 2 Series	2023	Blue	1800	200	Petrol	M	34000.00
34	BMW M2	2022	Red	3000	365	Petrol	A	55000.00
35	BMW M3	2022	White	4000	550	Petrol	A	83000.00

The GUI Design of the Demo interface (With Added Function mentioned)

The modal dialog box contains the following text:

Automatic Cars Count: Total number of automatic transmission cars: 25

OK

ID	Model	Year	Color	EngineCapacity	EnginePower	EngineType	Transmission	Price
1	BMW X5	2022	Black	3000	250	Petrol	A	50000.00
2	BMW 3 Series	2021	White	2000	250	Diesel	M	40000.00
3	BMW M5	2023	Blue	4000	600	Petrol	A	80000.00
4	BMW 5 Series	2022	Silver	2900	380	Diesel	A	45000.00
5	BMW X3	2023	Black	2000	240	Petrol	A	38000.00
6	BMW 7 Series	2021	White	2500	400	Diesel	M	65000.00
7	BMW X1	2022	Blue	1800	200	Petrol	A	32000.00
8	BMW 4 Series	2023	Red	3000	350	Petrol	A	48000.00
9	BMW X8	2022	Black	4000	580	Diesel	M	75000.00
10	BMW i3	2021	Silver	1500	170	Electric	A	35000.00
11	BMW M4	2022	Red	3000	450	Petrol	M	62000.00
12	BMW X2	2022	White	2000	230	Diesel	A	36000.00
13	BMW 8 Series	2023	Black	4000	600	Petrol	A	95000.00
14	BMW X7	2022	Black	4500	550	Diesel	A	85000.00
15	BMW 2 Series	2023	Black	2000	230	Petrol	M	32000.00
16	BMW M2	2022	White	3000	385	Petrol	A	54000.00
17	BMW X4	2022	Blue	2000	240	Diesel	A	41000.00
18	BMW 6 Series	2023	Black	3000	420	Petrol	M	60000.00
19	BMW i8	2022	Black	1500	170	Electric	A	75000.00
20	BMW X6	2022	White	3000	480	Diesel	M	68000.00
21	BMW 4 Series	2023	Black	2500	320	Petrol	A	49000.00
22	BMW X3	2022	Blue	2000	240	Petrol	A	39000.00
23	BMW M4	2021	Red	3000	450	Petrol	M	62000.00
24	BMW X2	2022	White	2000	230	Diesel	A	38000.00
25	BMW 7 Series	2023	Black	4000	580	Diesel	M	77000.00
26	BMW i3	2022	Silver	1500	170	Electric	A	33000.00
27	BMW X5	2021	Blue	3000	350	Petrol	A	52000.00
28	BMW 3 Series	2023	Red	2000	250	Diesel	M	41000.00
29	BMW M5	2022	White	4000	580	Petrol	A	83000.00
30	BMW M3	2022	White	4000	550	Petrol	A	83000.00