DBMS Assignment – 4

Formula 1 Database Management System

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Task 2:

Additional Queries – Database schema has increased with new tables such as new_record, new_constructors, new_wdc, etc.
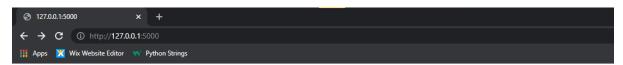
Task 3:

Data Migration – Earlier assignments were done on postgres, since we found mysql module in python easier to use we migrated it to a different type of RDBMS.

Task 5:

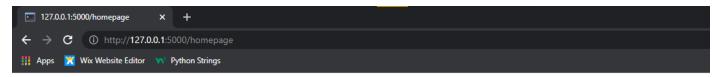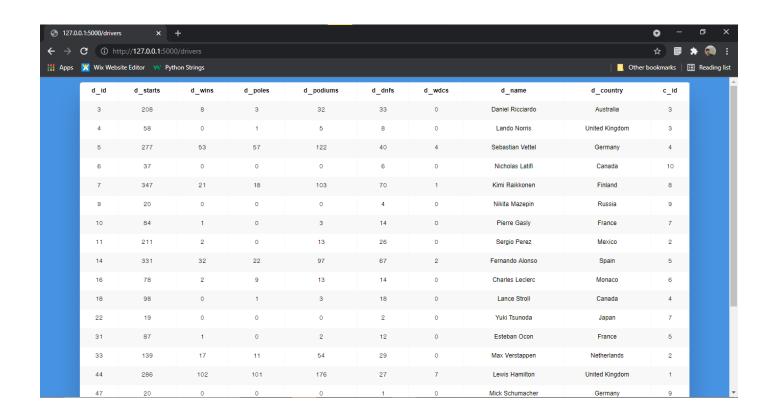Flask is used for connectivity for the front end to back end.

Execution:

```
update driver_stats set d_starts = 208 where d_id =3;
update new_record set d_starts = 208 where d_id = 3;
commit;
```

Submit

d_id	d_starts	d_wins	d_poles	d_podiums	d_dnfs	d_wdcs	d_name	d_country	c_id
3	208	8	3	32	33	0	Daniel Ricciardo	Australia	3
4	58	0	1	5	8	0	Lando Norris	United Kingdom	3
5	277	53	57	122	40	4	Sebastian Vettel	Germany	4
6	37	0	0	0	6	0	Nicholas Latifi	Canada	10
7	347	21	18	103	70	1	Kimi Raikkonen	Finland	8
9	20	0	0	0	4	0	Nikita Mazepin	Russia	9
10	84	1	0	3	14	0	Pierre Gasly	France	7
11	211	2	0	13	26	0	Sergio Perez	Mexico	2
14	331	32	22	97	67	2	Fernando Alonso	Spain	5
16	78	2	9	13	14	0	Charles Leclerc	Monaco	6
18	98	0	1	3	18	0	Lance Stroll	Canada	4
22	19	0	0	0	2	0	Yuki Tsunoda	Japan	7
31	87	1	0	2	12	0	Esteban Ocon	France	5
33	139	17	11	54	29	0	Max Verstappen	Netherlands	2
44	286	102	101	176	27	7	Lewis Hamilton	United Kingdom	1
47	20	0	0	0	1	0	Mick Schumacher	Germany	9

Mongo DB can be a preferred NoSQL for this database.

Contribution:

Dhruvansh: Frontend

Dhruva: Backend, Flask Connectivity

Jeevan: Backend, Flask Connectivity