

1. Output everything in the driver relation, in ascending order of season_points

a. Select * from driver order by season_points asc;

driver_Num	last_name	first_Name	dob	racing_Country	birth_Country	highest_finish	season_points	championships	podiums	highest_grid
28	Nurton	Sadie	Sunday, February 20, 1994	Saint Lucia	Cameroon	44	51	6	0	34
14	Dann	Clint	Monday, November 9, 1992	Mozambique	Spain	40	64	6	55	16
18	Nielson	Chad	Sunday, February 20, 1972	Belarus	Bolivia	22	66	5	51	26
40	Payne	Miley	Saturday, February 15, 1997	San Marino	Slovakia	19	68	3	170	16
9	Rowlands	Harmony	Sunday, September 22, 1991	Bahrain	El Salvador	15	89	8	5	30
39	Gonzales	Juliana	Friday, May 15, 1998	Poland	Sudan	33	104	9	132	45
33	Forth	Trisha	Thursday, July 22, 1999	Panama	Andorra	27	109	6	58	38
49	Exton	Noemi	Thursday, March 7, 1985	Tuvalu	Marshall Islands	26	114	5	65	6
24	Yard	Audrey	Saturday, January 31, 1981	Guatemala	Chile	1	116	9	161	13
15	Durrant	Nathan	Saturday, June 30, 1973	Cambodia	Cambodia	26	123	0	48	38
8	Spencer	Elijah	Tuesday, April 7, 1970	Poland	Bhutan	7	128	1	192	48
44	Matthews	Alessia	Tuesday, May 8, 1979	Uruguay	Sweden	23	132	6	57	46
37	London	Gil	Sunday, February 8, 1998	Mongolia	Mali	37	136	2	78	8
41	Baker	Javier	Tuesday, December 22, 1992	Micronesia	Romania	22	163	9	170	29
31	Ellison	Alexander	Saturday, May 11, 1985	Poland	Norway	17	165	9	159	4
6	Fenton	William	Saturday, October 6, 1979	Haiti	Azerbaijan	46	187	3	195	30
47	Cattell	Johnny	Thursday, October 18, 2001	Azerbaijan	CÃ 'te dÃ €™Iv...	27	187	1	81	49
19	Connell	Hank	Wednesday, January 19, 1977	Uzbekistan	Italy	7	188	2	137	33
48	Shields	Denis	Wednesday, July 29, 1992	Norway	Solomon Islands	27	188	4	67	25
4	Cadman	Greta	Saturday, September 20, 1997	Kazakhstan	United Kingdom	20	194	2	154	11
45	Cattell	Angel	Wednesday, October 11, 1972	Australia	Bolivia	38	199	8	120	45
7	Stevens	Leroy	Friday, March 21, 1980	Barbados	Egypt	1	206	6	1	14
23	Jackson	Eryn	Saturday, January 14, 1989	Liechtenstein	Saudi Arabia	17	207	1	108	32
35	May	Selena	Tuesday, July 3, 1984	Thailand	Finland	24	209	0	188	17

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35	May	Selena	Tuesday, July 3, 1984	Thailand	Finland	24	209	0	188	17
12	Mann	Mabel	Saturday, July 22, 2000	Germany	United Kingdom	42	246	9	22	31
50	Mcleod	Nicholas	Thursday, November 30, 1972	Mexico	Ukraine	5	247	0	94	7
5	Avery	Rosalee	Wednesday, October 7, 1992	Senegal	Vietnam	14	255	2	179	8
22	Phillips	Mason	Saturday, June 6, 1998	Italy	Gabon	29	262	6	70	27
43	Spencer	Joseph	Sunday, August 13, 1989	CÃ 'te dÃ €™Iv...	Solomon Islands	25	267	4	189	8
38	Saunders	Nick	Sunday, June 10, 1990	Korea, North	Korea, North	23	275	2	127	22
3	Palmer	Tyson	Sunday, July 25, 1993	Iran	Malawi	5	279	4	100	33
10	Upton	Alexander	Saturday, January 29, 1983	Rwanda	Mexico	19	284	4	64	24
2	Shepherd	Johnathan	Tuesday, January 11, 1994	Palau	India	8	302	6	1	31
46	Kelly	Eileen	Tuesday, August 16, 1994	Nauru	Trinidad and T...	35	310	5	133	38
13	Jones	Anthony	Sunday, October 4, 1981	Mali	Italy	9	315	8	12	24
34	Stevens	Anabelle	Thursday, February 21, 2002	Liechtenstein	Papua New Gui...	28	324	6	174	8
32	Weatcroft	Hanna	Monday, February 4, 1985	Israel	Iran	2	326	5	20	13
17	Reynolds	Mark	Tuesday, January 2, 1973	Norway	Sierra Leone	33	335	1	157	20
20	Dillon	Enoch	Wednesday, December 18, ...	Ecuador	Taiwan	43	337	6	78	31
25	Todd	Juliana	Friday, June 20, 1975	Botswana	Colombia	22	349	0	32	20
11	King	Valentina	Monday, January 27, 2003	Sri Lanka	Ghana	41	350	9	180	29
26	Denton	Tara	Thursday, July 10, 1980	Comoros	Singapore	15	356	5	193	43
16	Parker	Percy	Sunday, September 30, 1990	Romania	Pakistan	45	371	8	149	26
27	Gray	Denny	Saturday, July 3, 1999	Laos	Cambodia	15	378	9	68	41
1	Wills	Clint	Friday, February 10, 1995	Togo	The Gambia	22	382	1	19	8
36	Eastwood	Sasha	Sunday, July 5, 1981	Comoros	Serbia	43	384	6	27	47
42	Clarke	Hazel	Saturday, September 1, 1990	Nepal	Armenia	43	392	2	44	9

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29	Eastwood	Parker	Thursday, January 10, 1991	Saint Lucia	Saudi Arabia	1	392	1	38	30
21	Harvey	Andie	Saturday, April 8, 1972	Korea, North	Papua New Gui...	31	393	6	183	21
30	Glass	Chadwick	Tuesday, December 16, 2003	Palau	Namibia	10	399	7	192	14

2. Show the team_ID, wins, team_points, and championship_count for each team that has scored more than 500 points, in decreasing order of points.

a. Select team_ID, wins, team_points, championship_count from team where team_points > 500 order by team_points desc;

	team_ID	wins	team_points	championship_count
▶	12	5	793	7
	11	18	785	1
	15	1	764	13
	25	5	763	7
	1	1	724	5
	14	8	713	19
	9	2	707	8
	21	17	690	3
	16	16	672	17
	13	2	605	17
	4	14	602	14
	8	13	550	8
	5	12	543	8
	22	17	530	0

3. Show the driver_Num of drivers whose racing_Country is Fiji and have at least 1 championship.
 - a. Select driver_Num from driver where birth_Country = 'Saudi Arabia' and championships > 0;

	driver_Num
▶	23
	29

4. Show the courses that are less than 200 miles in length and a record lap of under 115 seconds.
 - a. Select * from course where total_length <= 200 and record_lap <= 115;

	num_of_laps	total_length	record_lap	location
▶	391	166	92.08	Columbus
	378	156	92.65	Glendale
	349	180	114.26	Chicago
	304	162	112.43	Denver

5. What percentage of drivers have 0 championships? Call the result column NoChamps.
 - a. Select sum(championships=0)*100/count(*) as NoChamps from driver;

	NoChamps
▶	8.0000

6. How many countries do the drivers in this data come from? Call the result NumCountries.
 - a. Select count(distinct birth_Country) as NumCountries from driver;

	NumCountries
▶	43

7. Output the number of sponsors in the relation.

a. Select count(*) from sponsors;

	count(*)
▶	150

8. Output the team_Name, base country, team_Chief, and tech_chief of all teams with more than 10 championships in ascending order.

a. Select team_Name, base, team_Chief, tech_chief from team where championship_count >= 10 order by championship_count asc;

	team_Name	base	team_Chief	tech_chief
▶	DynCorp	China	Peter McCormick	Peter McCormick
	CarMax	Tunisia	Miley Stewart	Miley Stewart
	Comcast	Armenia	Angel Needham	Angel Needham
	Demaco	Belize	Jolene Townend	Jolene Townend
	Mars	Malta	Sebastian Thomson	Sebastian Thomson
	Boeing	Peru	Alexander Irwin	Alexander Irwin
	Comcast	United Kingdom	Leah Jeffery	Leah Jeffery
	Team Guard SRL	Bahrain	Lauren Norris	Lauren Norris
	Carrefour	Saint Vincent and the Grenadines	Bryon Dempsey	Bryon Dempsey
	21st Century Fox	Guinea-Bissau	Sabrina Rivers	Sabrina Rivers
	Telekom	Saudi Arabia	Cameron Nielson	Cameron Nielson
	Boeing	Guatemala	Johnny Mills	Johnny Mills

9. Output which drivers have the most podium finishes.

a. Select last_Name, driver_num, podiums from driver order by podiums desc;

	last_Name	driver_num	podiums
►	Fenton	6	195
	Denton	26	193
	Spencer	8	192
	Glass	30	192
	Spencer	43	189
	May	35	188
	Harvey	21	183
	King	11	180
	Avery	5	179
	Stevens	34	174
	Baker	41	170
	Payne	40	170
	Yard	24	161
	Ellison	31	159
	Reynolds	17	157
	Cadman	4	154
	Parker	16	149
	Connell	19	137
	Kelly	46	133
	Gonzales	39	132
	Saunders	38	127
	Cattell	45	120
	Jackson	23	108
	Palmer	3	100

	last_Name	driver_num	podiums
▶	Palmer	3	100
	Mcleod	50	94
	Cattell	47	81
	London	37	78
	Dillon	20	78
	Phillips	22	70
	Gray	27	68
	Shields	48	67
	Exton	49	65
	Upton	10	64
	Forth	33	58
	Matthews	44	57
	Dann	14	55
	Nielson	18	51
	Durrant	15	48
	Clarke	42	44
	Eastwood	29	38
	Todd	25	32
	Eastwood	36	27
	Mann	12	22
	Weatcroft	32	20
	Wills	1	19
	Jones	13	12
	Rowlands	9	5

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	Stevens	7	1
	Shepherd	2	1
	Nurton	28	0

10. Output in order the total points earned by drivers before 2000
 - a. Select driver_Standing_ID, total_points, year from driverstanding where year < 2000 order by total_points desc;

	driver_Standing_ID	total_points	year
▶	12	423	1968
	23	409	1978
	40	381	1998
	7	378	1986
	31	349	1988
	1	348	1989
	22	343	1984
	19	342	1952
	41	305	1965
	29	282	1995
	39	260	1969
	9	257	1978
	44	256	1982
	14	246	1955
	11	236	1991
	27	233	1995
	34	216	1963
	45	201	1966
	4	200	1974
	25	192	1971
	17	174	1957
	35	167	1980
	28	162	1959
	32	162	1978
	32	162	1978
	3	137	1962
	33	136	1971
	48	136	1973
	38	129	1988
	6	80	1968
	37	74	1979
	5	19	1962
	2	14	1951
	10	3	1983
	49	0	1980