Tables :

Student

1. Alter student table to accommodate student gender and student team (house) as follows
2. Alter table to store dob and not age (drop age and add dob or see if you change it the same way)
3. Alter table to contain joining year
4. Update values of all students as follows
5. Try to maintain the same order of the columns (look up how you can do that)
6. Update table to contain dob as follows
7. Update table to have the following joining dates.
8. Add more records of students as shown below

name	rollno	dob	yjoin	gender	team	math	sci	eng	social	sports
dwayne	33	2000-01-09	2019	M	R	98	94	91	96	55
john	58	2002-03-21	2019	M	W	70	87	77	98	67
dave	27	1999-09-11	2018	M	A	54	68	98	96	77
randy	56	2001-04-28	2019	M	R	69	75	65	67	98
kane	11	1999-02-13	2018	M	G	86	95	52	57	73
tom	50	2000-11-01	2019	M	W	76	84	62	74	81
carol	7	2000-06-19	2018	F	W	78	99	45	56	88
wanda	21	2001-08-10	2019	F	R	42	73	59	63	65
natasha	52	2001-06-19	2019	F	A	83	86	89	91	99
gamora	34	2001-06-19	2018	F	G	84	93	79	94	85
jean	46	2000-06-19	2019	F	G	98	97	84	87	72

Campus

1. Alter the campus table to contain pin codes of campus location.
2. Update the campus table to have pincode
3. Add more records as shown below.

name	cid	loc	pincode	cap	law	engg	buss
mec	101	hyd	500043	1000	1	1	1
muc	104	mad	600012	2000	0	1	1
mgt	107	bom	400076	1500	1	0	1
mdc	106	pun	411021	1700	0	1	1
mdd	109	del	110001	1400	1	1	0
mvc	110	vel	631001	1400	1	1	1
mbd	113	bgl	560002	800	0	1	1

Queries

Note - don't need to use the concepts mentioned in the brackets it's just an indication , but try to use them if you could for practice purpose

1. Suppose we are having a vaccination drive and someone suggests we give the vaccines as per age. We want to vaccinate the eldest student first and youngest last with nobody under 18(as there might be people under 18). Make a list containing name, rno and age in descending order of age. (sub query, alias, aggregation)

2. Suppose the college was holding an event for sports for the students, one of the sports sections has a minimum age of 20 years for participating. Now give a count of women and men separately that qualify for this event from the students table. (sub queries, aggregation)

3. Display number of students whose maths score is more than the class avg score in all subjects. (sub query)

4. Suppose the university expansion team was looking at how they should expand further and in what areas of the country. As of now they currently need the ratio of campus capacity that is in the south to the west zone of the country. (Like, use resource mentioned towards the end)

5. This year the college has decided to not only award the student who came first in the college(from any batch/joining yrs) but also the student who has come second. Find the student who has the second highest avg in the table.(sub queries, aggregation, comparison, logical)

6. Display student's name, rno, avg marks ("avg_marks"), score status ("score_status") where score status is "High" if above average and "Low" if below average. (sub queries)

Extra resources to solve queries.

1. https://www.techinfotrends.com/how-a-pin-code-works/

Submission details :

1. Deadline Monday 13th Sept 11:59
2. Same trend of file names : assign2.sql, assign2.txt, ….pdf
3. Directory : Lab_2