Student (snum: integer, sname: string, major: string, level: string, age: integer)
Class (name: string, meets_at: string, room: string, fid: integer)
Enrolled (snum: integer, cname: string)
Faculty (fid: integer, fname: string, deptid: integer)

Given above schema, write following queries using SQL

Q1: Find the department id of the faculty member named *I. Teach.*

Q2: Find the names of all junior students (level='JR'), and list in the order of age.

Q3: Find the number of classes that have an enrolment greater than 0.

Q4: Find names and majors of students who have enrolled in at least one class.

Q5: Find the number of students who have enrolled in at least two classes.

Q6: Find distinct names of all Juniors (*level* = *JR*) enrolled in a class taught by *I. Teach*.

Q7: Find the names of all students who have enrolled in both CSC343 and CSC443.

Q8: For all levels except JR, print the level and the average age of students for that level.

Q9: Find the names of all students and the names of all classes they are enrolled in (if any)

Given following database instance, compute the result of Q10

Student

snu	sname	major	level	age
101	Helen	CS	JR	19
102	Charles	CS	SR	21
103	Andy	CS	GR	25
104	Bob	CS	SR	23
105	Zorba	CS	GR	31

Enrolled

snu	cname
101	CSC343
101	CSC443
101	ECE300
102	CSC343
102	ECE201
103	CSC343
103	CSC443
103	ECE300
103	ECE201
105	CSC343

Class

name	meets_at	room	fid
CSC343	W1	BA1080	201
CSC443	T2	BA1170	202
ECE300	M1	BA1080	203
ECE201	F12	BA1060	203
CSC165	R3	BA1170	202

Faculty

fid	fname	deptid
201	S. Jackson	301
202	M. Shanks	301
203	I. Teach	302

Q10:
SELECT DISTINCT S.sname as Student_Name
FROM Student S, Enrolled E
WHERE S.snum = E.snum AND E.snum = 'CSC343'
EXCEPT
SELECT DISTINCT S2.sname
FROM Student S2, Enrolled E2
WHERE S2.snum = E2.cnum AND E2.cnum = 'CSC443'