

Ex-2 : Output the course id and title of all the prerequisites for the following courses: 276, 647, 496

Prereq_id for 276	Title
403	Immunology
352	Compiler Design
345	Race Car Driving

Prereq_id for 647	Title
792	Image Processing
814	Compiler Design

Prereq_id for 496	Title
489	Journalism
416	Data Mining
443	Journalism
852	World History
267	Hydraulics
133	Antidisestablishmentarianism in Modern America

Ex-4 : CGPA for the following roll numbers: 76672, 90567, 4582, 81258

Roll number	CGPA
76672	5.0810810810810811
90567	5.8412698412698413
4582	5.3611111111111111
81258	6.4761904761904762

Ex-5

a) the top-5 students in terms of CGPA

Highest CGPA
19362
81207
78637
98619
18286

b) top-5 students with highest CGPA for departments: Psychology, Elec. Eng., and Civil Eng.

Psychology	Elec. Eng.	Civil Eng.
17676	29140	98619
40116	64401	13753
32886	52057	40677
26494	59517	99660
51093	238712	32419

c) top-5 students with highest CGPA for course ids: 237, 349, 735

Id - 237	Id - 349	Id - 735
78637	23506	18286
66469	40116	77898
64196	16311	52707
77898	70021	11441
99289	14094	39901

Ex-1 : Output for department, section and takes tables

Department , k = 12

Dept_name	building	budget
Accounting	Saucon	441840.92
Astronomy	Taylor	617253.94
Athletics	Bronfman	734550.70
Biology	Candlestick	647610.55
Civil Eng.	Chandler	255041.46
Comp. Sci.	Lamberton	106378.69
Cybernetics	Mercer	794541.46
Elec. Eng.	Main	276527.61
English	Palmer	611042.66
Finance	Candlestick	866831.75
Geology	Palmer	406557.93
History	Taylor	699140.86

Section, k = 10

Course_id	Sec_id	semester	year	building	Room_number
105	1	Fall	2009	Chandler	375
105	2	Fall	2002	Taylor	183
137	1	Spring	2002	Fairchild	145
158	1	Fall	2008	Whitman	434
158	2	Spring	2008	Taylor	812
169	1	Spring	2007	Gates	314
169	2	Fall	2002	Drown	757
192	1	Fall	2002	Polya	808
200	1	Spring	2007	Saucon	180
200	2	Fall	2002	Chandler	375

Takes, k = 13

id	Course_id	Sec_id	semester	year	grade
1000	239	1	Fall	2006	C
1000	319	1	Spring	2003	B+
1000	362	1	Fall	2005	B+
1000	493	1	Spring	2010	A-
1000	571	1	Spring	2004	C+
1000	642	1	Fall	2004	C-
1000	663	1	Spring	2005	C+
1000	696	1	Spring	2002	B
1000	748	1	Fall	2003	A
1000	802	1	Spring	2003	C+
1000	959	1	Fall	2006	B+
1000	962	1	Spring	2008	B-
1000	972	1	Spring	2009	B+