id name 25525 Moreira 10204 Mediratta 69225 Mejia 83462 Mehra 40059 Montilla 26619 Matsukawa 38288 Matsuda 46694 Masamura 18583 Ma	Message	Summar	y Result
10204 Mediratta 69225 Mejia 83462 Mehra 40059 Montilla 26619 Matsukawa 38288 Matsuda 46694 Masamura	id	name	е
69225 Mejia 83462 Mehra 40059 Montilla 26619 Matsukawa 38288 Matsuda 46694 Masamura	25525	More	eira
83462 Mehra 40059 Montilla 26619 Matsukawa 38288 Matsuda 46694 Masamura	10204	Medi	iratta
40059 Montilla 26619 Matsukawa 38288 Matsuda 46694 Masamura	69225	Mejia	a
26619 Matsukawa 38288 Matsuda 46694 Masamura	83462	Mehr	ra
38288 Matsuda 46694 Masamura	40059	Mont	tilla
46694 Masamura	26619	Mats	ukawa
	38288	Mats	uda
18583 Ma	46694	Masa	amura
	18583	Ma	

q4_A_1



q4_B_r

	name	title
	Preuss	Embedded Systems
	Date	Embedded Systems
	Aiken	Embedded Systems
	Noga	Embedded Systems
	Karande	Embedded Systems
þ	Prabhakaran	Embedded Systems
	Hakkinen	Embedded Systems
	Drig	Embedded Systems
	Harshman	Embedded Systems
	Won	Embedded Systems

q4_C_r

Messa	ge Su	ımmary	Result 1	
prere	q_id	sum	_credit	
▶ 852			1	1
130			1	0
818				8
403				8
696				8
947				7
416				7
774				7
352				7
694				7
864				7
133				7
123				6
735				6
408				6
139				6
254				6
345				6
371				6
489				6

q4_D_۴

١	Message	Summary	Result 1
	room_nu	ımber	
	707		
	812		

q4_E_δ

Message	Summa	ary	Result 1	
name		cou	urse_num	
Mahmou	ıd			1
Kean				1
Tung				1
Mingoz				1
Atanasso	ov			1

q4_F_۶

course_id	sec_id	semester	year	building	room_number	time_slot_id	time_slot_id(1)	day	start_hr	start_min	end_hr	end_min
408	1	Spring	2007	Taylor	812	С	С	F	11	0	11	1 5
408	1	Spring	2007	Taylor	812	С	С	M	11	0	11	1 5
408	1	Spring	2007	Taylor	812	С	С	W	11	0	11	1 5
631	1	Spring	2007	Taylor	183	Е	Е	R	10	30	11	1 4
▶ 631	1	Spring	2007	Taylor	183	Е	E	T	10	30	11	1 4

q4_G_Y

Message Sumn	nary Explain	1 Result 1	
name	id	sum_credits	
Aarde	57962		30
Aarde	64039		41
Abdellatif	5144		20
Abdul-Rahmar	78858		28
Abeggl	41596		35
Abraham	45002		24
Abu-B	20244		38
Achilles	83622		25
Adam	13511		42
Adda	20084		51
Adeni	52945		26
Advani	46655		27
Afim	58326		37
Agar	18709		37
Agar	44584		38
Agarwal	2139		33
Agraz	49205		23
Aguilar	77588		22
Ahmad	30188		25
Ahmadian	45436		19
Ahso	29091		44
Aiken	5414		47
Ailamaki	94726		33

q4_H_λ

stu_id	stu_name	stu_dept_name	year	semester	course_name	score	is_rank	dep	t_name	value
1110	Tzeng	Civil Eng.	2004	Spring	International Practicum		0	0 Civi	I Eng.	52.5274122807017544
54610	Tam	Languages	2005	Spring	Geology		0	0 Lan	guages	51.9618151632540122
32065	Tapia	Math	2010	Fall	International Trade		0	0 Mat	th	54.1214750542299349
24796	Thimm	Pol. Sci.	2001	Spring	Systems Software		0	0 Pol.	Sci.	53.1057692307692308
19848	Tiwari	Comp. Sci.	2007	Fall	Colloid and Surface Chemis	1	0	0 Con	np. Sci.	51.8929254302103250
68248	Tillmann	Athletics	2001	Fall	International Practicum		0	0 Athl	letics	53.1867732558139535
43032	Tanaka	Biology	2010	Fall	Numerical Methods		0	0 Biol	logy	53.9846475924633636
64140	Tiroz	Athletics	2010	Spring	Cat Herding		0	0 Athl	letics	53.1867732558139535
45826	Teng	Mech. Eng.	2010	Spring	Greek Tragedy		0	0 Med	ch. Eng.	53.0931943592887799
50944	Tao	Pol. Sci.	2008	Spring	Race Car Driving		0	0 Pol.	Sci.	53.1057692307692308
83204	Tauber	Accounting	2008	Spring	Embedded Systems		0	0 Acc	ounting	52.7524429967426710
1110	Tzeng	Civil Eng.	2006	Spring	Graph Theory		0	0 Civi	I Eng.	52.5274122807017544
17924	Tavan	Psychology	2008	Spring	Elastic Structures		0	0 Psyc	chology	53.2630191166776533
69752	Tan	English	2001	Fall	Aquatic Chemistry		0	0 Eng	lish	53.7621023513139696
4004	Tabor	Biology	2004	Spring	How to Groom your Cat		0	0 Biol	logy	53.9846475924633636
95626	Tellez	Math	2003	Fall	Sanitary Engineering		0	0 Mat	th	54.1214750542299349
36379	Triebel	Comp. Sci.	2001	Fall	International Practicum		0	0 Con	np. Sci.	51.8929254302103250
65258	Tian	Comp. Sci.	2007	Spring	Marine Mammals		0	0 Con	np. Sci.	51.8929254302103250
64140	Tiroz	Athletics	2002	Fall	Drama		0	0 Athl	letics	53.1867732558139535
23992	Thornton	Psychology	2010	Spring	Greek Tragedy		0	0 Psyc	chology	53.2630191166776533
82082	Towsey	Statistics	2008	Fall	Elastic Structures		0	0 Stat	tistics	54.6698113207547170
46450	Tleu	Comp. Sci.	2002	Fall	Optics		0	0 Con	np. Sci.	51.8929254302103250
91851	Tchuri	History	2002	Fall	Corporate Law		0	0 Hist	tory	54.00000000000000000

q6_D_ ^q Figure

	stu_id	stu_name	stu_dept_name	year	semester	course_name	score	is_rank
•	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

q6_A_ ¹ · Figure

stu_id	stu_name	stu_dept_name	year	semester	course_name	score	is_rank
65901	Shishkin	Accounting	2003	Fall	Sanitary Engineering	60	0
24932	Segars	Civil Eng.	2003	Spring	African History	75	1
61332	Canon	Astronomy	2007	Spring	The Music of the Ramor	90	1
73492	Hwang	Mech. Eng.	2004	Spring	How to Groom your Cat	0	0
65715	Novak	Mech. Eng.	2010	Fall	Environmental Law	85	1
58300	Lum	Mech. Eng.	2007	Spring	Bankruptcy	75	1
760	Liedm	Geology	2004	Spring	Plastics	0	0
69730	Peip	English	2010	Fall	International Trade	0	0
94836	Fuller	English	2006	Fall	Multimedia Design	70	0
49391	Rammer	Marketing	2003	Fall	Care and Feeding of Car	75	1
48850	Wehen	Biology	2001	Spring	Systems Software	60	0
68999	Greve	Psychology	2007	Spring	Marine Mammals	100	1
53469	Fujii	Astronomy	2007	Spring	Marine Mammals	0	0
74016	Moei	Elec. Eng.	2004	Spring	International Practicum	90	1
49073	Bonvin	English	2001	Fall	Aquatic Chemistry	60	0
52866	Loull	Math	2004	Spring	Death and Taxes	0	0
83314	Chow	Accounting	2009	Fall	Tort Law	0	0
70359	Lorinczi	Cybernetics	2003	Spring	Mechanics	90	1
88993	Palaniswami	Math	2010	Fall	International Trade	70	0
97042	Bhargava	Pol. Sci.	2002	Fall	Drama	90	1
33460	Leonard	Psychology	2005	Fall	FOCAL Programming	70	0
81207	Masri	Athletics	2006	Fall	The Music of the Ramor	100	1
68010	Blecken	Pol. Sci.	2009	Spring	Greek Tragedy	100	1
15517	Anis	Geology	2007	Fall	Journalism	100	1
8957	Walker	Athletics	2006	Fall	The Music of Donovan	0	0
8986	Maesf	Pol. Sci.	2002	Fall	Differential Geometry	0	0
7956	Brandsd	Statistics	2010	Spring	Cat Herding	0	0
792	Hashimoto	Athletics	2009	Spring	Greek Tragedy	90	1
84189	Kuwadak	Statistics	2006	Spring	Operating Systems	75	1
92659	Mathias	Biology	2004	Fall	Graphics	0	0

stu_id	stu_name	stu_dept_name 🔻	year	semester	course_name	score	is_rank
74530	Ranno	Physics	2009	Fall	Tort Law	10	0
98423	Alfaro	Physics	2006	Fall	Embedded Systems	115	1
77361	Neuhold	Physics	2006	Fall	The Music of Donovan	10	0
76291	Dellwo	Physics	2009	Fall	Surfing	10	0
76291	Dellwo	Physics	2008	Fall	Elastic Structures	10	0
19824	Savelieva	Physics	2005	Spring	Shakespeare	70	0
64192	Pradhan	Physics	2007	Spring	The Music of the Ramor	90	1
29849	Solar	Physics	2001	Fall	International Practicum	10	0
37284	Benabd	Physics	2002	Fall	Corporate Law	105	1
18338	Kangs	Physics	2005	Fall	Fractal Geometry	100	1
84704	Rammer	Physics	2004	Spring	Death and Taxes	10	0
3576	Nakanishi	Physics	2006	Fall	Tort Law	105	1
2139	Agarwal	Physics	2010	Spring	Cat Herding	90	1
78637	Beeu	Physics	2004	Spring	How to Groom your Cat	90	1
24197	Andert	Physics	2003	Fall	Astronautics	90	1
24442	Greene	Physics	2009	Fall	Image Processing	10	0
75123	Chowdhury	Physics	2002	Fall	Image Processing	90	1
3576	Nakanishi	Physics	2008	Spring	Animal Behavior	10	0
30858	Shaffer	Physics	2006	Fall	Multimedia Design	80	0
3576	Nakanishi	Physics	2009	Fall	Rock and Roll	10	0
52669	Rayad	Physics	2002	Spring	Journalism	90	1
40371	Trimble	Physics	2010	Spring	Cat Herding	10	0
2139	Agarwal	Physics	2002	Fall	Differential Geometry	90	1
41261	Hubr	Physics	2005	Fall	Embedded Systems	10	0
28361	Sorensen	Physics	2008	Spring	World History	90	1

q6_C_ ¹ ۲ Figure