_		
dept_name	building	budget
Civil Eng.	Chandler	255041.46
Biology	Candlestick	647610.55
History	Taylor	699140.86
Physics	Wrigley	942162.76
Marketing	Lambeau	210627.58
Pol. Sci.	Whitman	573745.09
English	Palmer	611042.66
Accounting	Saucon	441840.92
Comp. Sci.	Lamberton	106378.69
Languages	Linderman	601283.60
Finance	Candlestick	866831.75
Geology	Palmer	406557.93
Cybernetics	Mercer	794541.46
Astronomy	Taylor	617253.94
Athletics	Bronfman	734550.70
Statistics	Taylor	395051.74
Psychology	Thompson	848175.04
Math	Brodhead	777605.11
Elec. Eng.	Main	276527.61
Mech. Eng.	Rauch	520350.65
medical	Pasteur	700000.00
dental	Pasteur	800000.00

۱ Figure رسوال ۵ <u>ا</u>لف

dept_name building budget Civil Eng. Chandler 25504 Biology Candlestick 64761 History Taylor 69914 Physics Wrigley 94216 Marketing Lambeau 21062 Pol. Sci. Whitman 57374 English Palmer 61104 Accounting Saucon 44184 Comp. Sci. Lamberton 10637	
Biology Candlestick 64761 History Taylor 69914 Physics Wrigley 94216 Marketing Lambeau 21062 Pol. Sci. Whitman 57374 English Palmer 61104 Accounting Saucon 44184 Comp. Sci. Lamberton 10637	
History Taylor 69914 Physics Wrigley 94216 Marketing Lambeau 21062 Pol. Sci. Whitman 57374 English Palmer 61104 Accounting Saucon 44184 Comp. Sci. Lamberton 10637	1.46
Physics Wrigley 94216 Marketing Lambeau 21062 Pol. Sci. Whitman 57374 English Palmer 61104 Accounting Saucon 44184 Comp. Sci. Lamberton 10637	0.55
Marketing Lambeau 21062 Pol. Sci. Whitman 57374 English Palmer 61104 Accounting Saucon 44184 Comp. Sci. Lamberton 10637	10.86
Pol. Sci. Whitman 57374 English Palmer 61104 Accounting Saucon 44184 Comp. Sci. Lamberton 10637	2.76
English Palmer 61104 Accounting Saucon 44184 Comp. Sci. Lamberton 10637	7.58
Accounting Saucon 44184 Comp. Sci. Lamberton 10637	15.09
Comp. Sci. Lamberton 10637	2.66
· · ·	10.92
1: 1 (0420	8.69
Languages Linderman 60128	3.60
Finance Candlestick 86683	31.75
Geology Palmer 40655	7.93
Cybernetics Mercer 79454	1.46
Astronomy Taylor 61725	3.94
Athletics Bronfman 73455	0.70
Statistics Taylor 39505	1.74
Psychology Thompson 84817	5.04
Math Brodhead 77760	5.11
Elec. Eng. Main 27652	7.61
Mech. Eng. Rauch 52035	0.65
dental Pasteur 87000	00.00
medical Pasteur 63000	

۲ Figure_سوال۵_ب

name	person_type	calc_number
Morton	STU	984.9878703703703704
So	STU	7984.2467391304347826
Chowdhury	STU	9814.1954166666666667
Kok	STU	4419.1079347826086957
Saariluoma	STU	4647.6675294117647059
Silverman	STU	5975.5629059829059829
Kocsis	STU	2477.9715294117647059
Clemme	STU	5975.5629059829059829
Jordan	STU	5052.8033613445378151
Abdellatif	STU	4419.1079347826086957
Wyes	STU	4955.7204761904761905
Piedrah	STU	5263.7164220183486239
Kiltz	STU	9238.8541860465116279
Schmitz	STU	2821.7103061224489796
OBrien	STU	4419.1079347826086957
Pigd	STU	4955.7204761904761905

۳ Figure سوال ۳ _ب

QUERY: SELECT v_job_id

CONTEXT: PL/pgSQL function filmtable10() line 12 at RAISE

> Query Time: 0.002s

۴ Figure سوال ۴ _الف

Message	Summary	Result 1

message summary					
film_title	film_rating	rank_in_all	rank_in_rating	sum_amount	is_in_first_quartile
Academy Dinosaur	PG	718	147	33.79	false
Ace Goldfinger	G	508	89	52.93	false
Adaptation Holes	NC-17	699	137	34.89	false
Affair Prejudice	G	261	47	83.79	false
African Egg	G	557	99	47.89	false
Agent Truman	PG	118	24	111.81	true
Airplane Sierra	PG-13	263	64	82.85	false
Airport Pollock	R	239	46	86.85	false
Alabama Devil	PG-13	354	80	71.88	false
Aladdin Calendar	NC-17	66	18	131.77	true
Alamo Videotape	G	761	132	30.78	false
Alaska Phantom	PG	675	135	37.77	false
Ali Forever	PG	493	101	54.91	false
Alien Center	NC-17	251	51	84.80	false
Alley Evolution	NC-17	568	108	46.87	false
Alone Trip	R	433	85	61.83	false
Alter Victory	PG-13	759	172	30.80	false
Amadeus Holy	PG	731	149	32.80	false
Amelie Hellfighters	R	381	73	67.90	false
American Circus	R	31	5	146.81	true
Amistad Midsummer	G	367	67	70.79	false
Anaconda Confessions	R	525	106	51.82	false
Analyze Hoosiers	R	487	96	55.86	false

۵ Figure سوال ۹

2 Ace Goldfinger	A Astounding Epistle of a D	2006	1	3	4.99	48	12.34 G	2022-12-25 19:34:02.49
3 Adaptation Holes	A Astounding Reflection of	2006	1	7	2.99	50	21.99 NC-17	2022-12-25 19:30:11.63
4 Affair Prejudice	A Fanciful Documentary of a	2006	1	5	2.99	117	27.64 G	2022-12-25 19:34:02.49

۶ Figure م_سوال ۷_خروجي

```
68
69 CALL saraupt4('Ace Goldfinger','Affair Prejudice');
70 SELECT * FROM film ORDER BY title;
71
```

۲ Figure سوال ۷ _ورودی

	film_title	num_of_rents
Þ	Human Graffiti	15
	Westward Seabiscuit	26
	Gleaming Jawbreaker	29
	Bulworth Commandments	7
	Splash Gump	14
	Vertigo Northwest	8
	Cheaper Clyde	20
	Language Cowboy	11
	Lady Stage	17
	Wizard Coldblooded	16
	Rules Human	16
	Color Philadelphia	24
	Oklahoma Jumanji	6
	Elephant Trojan	14
	Anaconda Confessions	21
	Mulholland Beast	7
	Academy Dinosaur	23
	King Evolution	9
	Angels Life	22

۸ Figure سوالع_خروجي

SELECT *
FROM actor_of2(1)

۹ Figure سوال۶_ورودی

s_id	s_name	dept_type	job_type	
48861	Ende	scientist	STU	
19541	Drews	scientist	STU	
68554	Larsson	Engineer	STU	
87193	Pinkus	Engineer	STU	
16593	Skuras	scientist	STU	
97953	Kaneko	scientist	STU	
56057	Hull	scientist	STU	
32119	Nagashima	Engineer	STU	
87965	Reiss	scientist	STU	
38545	Fok	Engineer	STU	
42388	Nikut	scientist	STU	
18859	Rubio	Engineer	STU	
49813	Al-Hu	scientist	STU	
52385	Higuchi	scientist	STU	
17600	Peter	scientist	STU	
49073	Bonvin	Engineer	STU	
48471	Elias	scientist	STU	
65258	Tian	scientist	STU	
56078	Soltys	scientist	STU	
71904	Boldin	Engineer	STU	
97101	Marek	scientist	STU	
50885	Konstantinides	scientist	INS	
33401	Campbell	Engineer	STU	
65931	Pimenta	scientist	INS	
56232	Perozzo	scientist	STU	
847	Yamaguchi	Engineer	STU	
49684	Ceze	Engineer	STU	
37856	Gay	scientist	STU	
70362	Sicard	Engineer	STU	
23270	Bouras	scientist	STU	

۱۰ Figure _ سوال۳_الف

payment_id	customer_id	staff_id	rental_id	amount	payment_date	pay_type
17503	341	2	1520	7.99	2007-02-15 22:25:46.996577	(Null)
17504	341	1	1778	1.99	2007-02-16 17:23:14.996577	(Null)
17505	341	1	1849	7.99	2007-02-16 22:41:45.996577	(Null)
17506	341	2	2829	2.99	2007-02-19 19:39:56.996577	(Null)
17507	341	2	3130	7.99	2007-02-20 17:31:48.996577	(Null)
17508	341	1	3382	5.99	2007-02-21 12:33:49.996577	(Null)
17509	342	2	2190	5.99	2007-02-17 23:58:17.996577	(Null)
17510	342	1	2914	5.99	2007-02-20 02:11:44.996577	(Null)
17511	342	1	3081	2.99	2007-02-20 13:57:39.996577	(Null)
17512	343	2	1547	4.99	2007-02-16 00:10:50.996577	(Null)
17513	343	1	1564	6.99	2007-02-16 01:15:33.996577	(Null)
17514	343	2	1879	0.99	2007-02-17 01:26:00.996577	(Null)
17515	343	2	1922	0.99	2007-02-17 04:32:51.996577	(Null)
17516	343	2	2461	6.99	2007-02-18 18:26:38.996577	(Null)
17517	343	1	2980	8.99	2007-02-20 07:03:29.996577	(Null)
17518	343	1	3407	0.99	2007-02-21 14:42:28.996577	(Null)
17519	344	1	1341	3.99	2007-02-15 10:54:44.996577	(Null)
17520	344	2	1475	4.99	2007-02-15 19:36:27.996577	(Null)
17521	344	1	1731	0.99	2007-02-16 14:00:38.996577	(Null)
17522	345	2	1210	0.99	2007-02-15 01:26:17.996577	(Null)
17523	345	1	1457	4.99	2007-02-15 18:34:15.996577	(Null)
17524	345	2	1550	0.99	2007-02-16 00:27:01.996577	(Null)
17525	345	2	2766	4.99	2007-02-19 16:13:41.996577	(Null)
17526	346	1	1994	5.99	2007-02-17 09:35:32.996577	(Null)
17527	346	2	3372	2.99	2007-02-21 12:02:45.996577	(Null)
17528	346	1	3421	2.99	2007-02-21 15:51:24.996577	(Null)
17529	347	2	1711	8.99	2007-02-16 12:40:18.996577	(Null)
17530	347	2	2274	0.99	2007-02-18 04:59:41.996577	(Null)
17531	347	1	3026	4.99	2007-02-20 10:16:26.996577	(Null)
17532	347	1	3092	8.99	2007-02-20 14:33:08.996577	(Null)

۱۱ Figure _ سوال ۲ _ ب

month_number	rating	sum_amount	prev_month_sales	next_month_sales
2	G	1422.60	(Null)	3944.62
2	PG	1658.99	(Null)	4757.52
2	PG-13	1856.58	(Null)	5316.63
2	R	1745.78	(Null)	4782.76
2	NC-17	1667.89	(Null)	5085.03
3	G	3944.62	1422.60	5040.03
3	PG	4757.52	1658.99	5725.45
3	PG-13	5316.63	1856.58	6563.76
3	R	4782.76	1745.78	5461.78
3	NC-17	5085.03	1667.89	5768.44
4	G	5040.03	3944.62	104.63
4	PG	5725.45	4757.52	94.69
4	PG-13	6563.76	5316.63	118.59
4	R	5461.78	4782.76	82.71
4	NC-17	5768.44	5085.03	113.56
5	G	104.63	5040.03	(Null)
5	PG	94.69	5725.45	(Null)
5	PG-13	118.59	6563.76	(Null)
5	R	82.71	5461.78	(Null)
5	NC-17	113.56	5768.44	(Null)

۲ Figure _ سوال ۱۲

rental_id	rental_date	inventory_id	customer_id	T	return_date	staff_id		last_update	check_count	
200035	2005-05-24 22:54:48	47		1	2005-06-14 16:22:52		1	2022-12-25 23:27:58.3540		2
76	2005-05-25 11:30:37	3021		1	2005-06-03 12:00:37		2	2022-12-25 23:27:58.3540		2
573	2005-05-28 10:35:23	4020		1	2005-06-03 06:32:23		1	2022-12-25 23:27:58.3540		2
1185	2005-06-15 00:54:12	2785		1	2005-06-23 02:42:12		2	2022-12-25 23:27:58.3540		2
1422	2005-06-15 18:02:53	1021		1	2005-06-19 15:54:53		2	2022-12-25 23:27:58.3540		2
1476	2005-06-15 21:08:46	1407		1	2005-06-25 02:26:46		1	2022-12-25 23:27:58.3540		2
1725	2005-06-16 15:18:57	726		1	2005-06-17 21:05:57		1	2022-12-25 23:27:58.3540		2
2308	2005-06-18 08:41:48	197		1	2005-06-22 03:36:48		2	2022-12-25 23:27:58.3540		2
2363	2005-06-18 13:33:59	3497		1	2005-06-19 17:40:59		1	2022-12-25 23:27:58.3540		2
3284	2005-06-21 06:24:45	4566		1	2005-06-28 03:28:45		1	2022-12-25 23:27:58.3540		2
4526	2005-07-08 03:17:05	1443		1	2005-07-14 01:19:05		2	2022-12-25 23:27:58.3540		2
4611	2005-07-08 07:33:56	3486		1	2005-07-12 13:25:56		2	2022-12-25 23:27:58.3540		2
5244	2005-07-09 13:24:07	3726		1	2005-07-14 14:01:07		2	2022-12-25 23:27:58.3540		2
5326	2005-07-09 16:38:01	797		1	2005-07-13 18:02:01		1	2022-12-25 23:27:58.3540		2
6163	2005-07-11 10:13:46	1330		1	2005-07-19 13:15:46		2	2022-12-25 23:27:58.3540		2
7273	2005-07-27 11:31:22	2465		1	2005-07-31 06:50:22		1	2022-12-25 23:27:58.3540		2
7841	2005-07-28 09:04:45	1092		1	2005-07-30 12:37:45		2	2022-12-25 23:27:58.3540		2
8033	2005-07-28 16:18:23	4268		1	2005-07-30 17:56:23		1	2022-12-25 23:27:58.3540		2
8074	2005-07-28 17:33:39	1558		1	2005-07-29 20:17:39		1	2022-12-25 23:27:58.3540		2
8116	2005-07-28 19:20:07	4497		1	2005-07-29 22:54:07		1	2022-12-25 23:27:58.3540		2
8326	2005-07-29 03:58:49	108		1	2005-08-01 05:16:49		2	2022-12-25 23:27:58.3540		2
9571	2005-07-31 02:42:18	2219		1	2005-08-02 23:26:18		2	2022-12-25 23:27:58.3540		2
10437	2005-08-01 08:51:04	14		1	2005-08-10 12:12:04		1	2022-12-25 23:27:58.3540		2
11299	2005-08-02 15:36:52	3232		1	2005-08-10 16:40:52		2	2022-12-25 23:27:58.3540		2
11367	2005-08-02 18:01:38	1440		1	2005-08-04 13:19:38		1	2022-12-25 23:27:58.3540		2

۱۳ Figure سوال ۸