

Name : Shahzeb Ahmed

Class : BSCS(2)

Section: "A"

LAB 2 : Task 2.

Instructor: Ms. MARINA GUL

- 1) Write a query to display EMPLOYEE_ID, FIRST_NAME, and SALARY of employees whose SALARY is less than \$3000?

select employee_id, first_name, salary from employees where salary < 3000;

+-----+-----+-----+

| employee_id | first_name | salary |

+-----+-----+-----+

| 116 | Shelli | 2900.00 |

| 117 | Sigal | 2800.00 |

| 118 | Guy | 2600.00 |

| 119 | Karen | 2500.00 |

| 126 | Irene | 2700.00 |

| 127 | James | 2400.00 |

| 128 | Steven | 2200.00 |

| 130 | Mozhe | 2800.00 |

| 131 | James | 2500.00 |

| 132 | TJ | 2100.00 |

| 134 | Michael | 2900.00 |

| 135 | Ki | 2400.00 |

	136	Hazel	2200.00	
	139	John	2700.00	
	140	Joshua	2500.00	
	143	Randall	2600.00	
	144	Peter	2500.00	
	182	Martha	2500.00	
	183	Girard	2800.00	
	190	Timothy	2900.00	
	191	Randall	2500.00	
	195	Vance	2800.00	
	198	Donald	2600.00	
	199	Douglas	2600.00	

+-----+-----+-----+

2) Write a query to display FIRST_NAME, LASTNAME of all employees whose first name starts with letter 'A'?

select first_name,last_name from employees where first_name like "A%";

+-----+-----+

	first_name		last_name	
--	------------	--	-----------	--

+-----+-----+

	Alexander		Hunold	
--	-----------	--	--------	--

	Alexander		Khoo	
--	-----------	--	------	--

	Adam		Fripp	
--	------	--	-------	--

	Alberto		Errazuriz	
--	---------	--	-----------	--

	Allan		McEwen	
--	-------	--	--------	--

Amit	Banda	
Alyssa	Hutton	
Alexis	Bull	
Anthony	Cabrio	
Alana	Walsh	

3) Write a query to display EMPLOYEE_ID, FIRST_NAME, and SALARY of employees whose salaries lies in the range of \$1500 to \$3000;?

```
select first_name,employee_id, salary from employees where not(1500>3000);
```

+	+	+	+	+
first_name	employee_id	salary		
+	+	+	+	+
Steven	100	24000.00		
Neena	101	17000.00		
Lex	102	17000.00		
Alexander	103	9000.00		
Bruce	104	6000.00		
David	105	4800.00		
Valli	106	4800.00		
Diana	107	4200.00		
Nancy	108	12000.00		
Daniel	109	9000.00		
John	110	8200.00		
Ismael	111	7700.00		
Jose Manuel	112	7800.00		
Luis	113	6900.00		
Den	114	11000.00		
Alexander	115	3100.00		
Shelli	116	2900.00		

Sigal		117	2800.00	
Guy		118	2600.00	
Karen		119	2500.00	
Matthew		120	8000.00	
Adam		121	8200.00	
Payam		122	7900.00	
Shanta		123	6500.00	
Kevin		124	5800.00	
Julia		125	3200.00	
Irene		126	2700.00	
James		127	2400.00	
Steven		128	2200.00	
Laura		129	3300.00	
Mozhe		130	2800.00	
James		131	2500.00	
TJ		132	2100.00	
Jason		133	3300.00	
Michael		134	2900.00	
Ki		135	2400.00	
Hazel		136	2200.00	
Renske		137	3600.00	
Stephen		138	3200.00	
John		139	2700.00	
Joshua		140	2500.00	
Tenna		141	3500.00	
Curtis		142	3100.00	
Randall		143	2600.00	
Peter		144	2500.00	
John		145	14000.00	

Karen		146	13500.00	
Alberto		147	12000.00	
Gerald		148	11000.00	
Eleni		149	10500.00	
Peter		150	10000.00	
David		151	9500.00	
Peter		152	9000.00	
Christopher		153	8000.00	
Nanette		154	7500.00	
Oliver		155	7000.00	
Janette		156	10000.00	
Patrick		157	9500.00	
Allan		158	9000.00	
Lindsey		159	8000.00	
Louise		160	7500.00	
Sarath		161	7000.00	
Clara		162	10500.00	
Danielle		163	9500.00	
Mattea		164	7200.00	
David		165	6800.00	
Sundar		166	6400.00	
Amit		167	6200.00	
Lisa		168	11500.00	
Harrison		169	10000.00	
Tayler		170	9600.00	
William		171	7400.00	
Elizabeth		172	7300.00	
Sundita		173	6100.00	
Ellen		174	11000.00	

Alyssa		175		8800.00	
Jonathon		176		8600.00	
Jack		177		8400.00	
Kimberely		178		7000.00	
Charles		179		6200.00	
Winston		180		3200.00	
Jean		181		3100.00	
Martha		182		2500.00	
Girard		183		2800.00	
Nandita		184		4200.00	
Alexis		185		4100.00	
Julia		186		3400.00	
Anthony		187		3000.00	
Kelly		188		3800.00	
Jennifer		189		3600.00	
Timothy		190		2900.00	
Randall		191		2500.00	
Sarah		192		4000.00	
Britney		193		3900.00	
Samuel		194		3200.00	
Vance		195		2800.00	
Alana		196		3100.00	
Kevin		197		3000.00	
Donald		198		2600.00	
Douglas		199		2600.00	
Jennifer		200		4400.00	
Michael		201		13000.00	
Pat		202		6000.00	
Susan		203		6500.00	

Hermann		204		10000.00	
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Shelley		205		12000.00	
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William		206		8300.00	
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4) Write a query to display first names of all employees that end with alphabet 'N'?

```
select first_name from employees where first_name like "%N";
```

```
+-----+
```

```
| first_name |
```

```
+-----+
```

```
| Steven    |
```

```
| John      |
```

```
| Den       |
```

```
| Karen     |
```

```
| Kevin     |
```

```
| Steven    |
```

```
| Jason     |
```

```
| Stephen   |
```

```
| John      |
```

```
| John      |
```

```
| Karen     |
```

```
| Allan     |
```

```
| Harrison  |
```

```
| Ellen     |
```

```
| Jonathon  |
```

```
| Winston  |
```

```
| Jean      |
```

```
| Kevin     |
```

```
| Susan     |
```

```
| Hermann  |
```

5) Write a query to display FIRST_NAME, JOB_ID, DEPARTMENT_ID of employees who are either PU_CLERK or belongs to MANAGER_ID = 114 ?

```
select first_name, employee_id, job_id from employees where job_id ='
pu_clerk' or MANAGER_ID =' 114';
```

```
+-----+-----+-----+
| first_name | employee_id | job_id |
+-----+-----+-----+
| Alexander |      115 | PU_CLERK |
| Shelli    |      116 | PU_CLERK |
| Sigal     |      117 | PU_CLERK |
| Guy       |      118 | PU_CLERK |
| Karen     |      119 | PU_CLERK |
+-----+-----+-----+
```

6) Write a query to display FIRST_NAME, JOB_ID, DEPARTMENT_ID of employees who are not PU_CLERK?

```
select first_name, employee_id, job_id from employees where not job_id
='pu_clerk';
```

```
+-----+-----+-----+
| first_name | employee_id | job_id |
+-----+-----+-----+
| Steven     |      100 | AD PRES |
| Neena      |      101 | AD VP   |
| Lex        |      102 | AD VP   |
| Alexander  |      103 | IT PROG |
| Bruce      |      104 | IT PROG |
```


David		105	IT_PROG	
Valli		106	IT_PROG	
Diana		107	IT_PROG	
Nancy		108	FI_MGR	
Daniel		109	FI_ACCOUNT	
John		110	FI_ACCOUNT	
Ismael		111	FI_ACCOUNT	
Jose Manuel		112	FI_ACCOUNT	
Luis		113	FI_ACCOUNT	
Den		114	PU_MAN	
Matthew		120	ST_MAN	
Adam		121	ST_MAN	
Payam		122	ST_MAN	
Shanta		123	ST_MAN	
Kevin		124	ST_MAN	
Julia		125	ST_CLERK	
Irene		126	ST_CLERK	
James		127	ST_CLERK	
Steven		128	ST_CLERK	
Laura		129	ST_CLERK	
Mozhe		130	ST_CLERK	
James		131	ST_CLERK	
TJ		132	ST_CLERK	
Jason		133	ST_CLERK	

Michael		134	ST_CLERK	
Ki		135	ST_CLERK	
Hazel		136	ST_CLERK	
Renske		137	ST_CLERK	
Stephen		138	ST_CLERK	
John		139	ST_CLERK	
Joshua		140	ST_CLERK	
Tenna		141	ST_CLERK	
Curtis		142	ST_CLERK	
Randall		143	ST_CLERK	
Peter		144	ST_CLERK	
John		145	SA_MAN	
Karen		146	SA_MAN	
Alberto		147	SA_MAN	
Gerald		148	SA_MAN	
Eleni		149	SA_MAN	
Peter		150	SA_REP	
David		151	SA_REP	
Peter		152	SA_REP	
Christopher		153	SA_REP	
Nanette		154	SA_REP	
Oliver		155	SA_REP	
Janette		156	SA_REP	
Patrick		157	SA_REP	

Allan		158	SA_REP	
Lindsey		159	SA_REP	
Louise		160	SA_REP	
Sarath		161	SA_REP	
Clara		162	SA_REP	
Danielle		163	SA_REP	
Mattea		164	SA_REP	
David		165	SA_REP	
Sundar		166	SA_REP	
Amit		167	SA_REP	
Lisa		168	SA_REP	
Harrison		169	SA_REP	
Tayler		170	SA_REP	
William		171	SA_REP	
Elizabeth		172	SA_REP	
Sundita		173	SA_REP	
Ellen		174	SA_REP	
Alyssa		175	SA_REP	
Jonathon		176	SA_REP	
Jack		177	SA_REP	
Kimberely		178	SA_REP	
Charles		179	SA_REP	
Winston		180	SH_CLERK	
Jean		181	SH_CLERK	

Martha		182	SH_CLERK	
Girard		183	SH_CLERK	
Nandita		184	SH_CLERK	
Alexis		185	SH_CLERK	
Julia		186	SH_CLERK	
Anthony		187	SH_CLERK	
Kelly		188	SH_CLERK	
Jennifer		189	SH_CLERK	
Timothy		190	SH_CLERK	
Randall		191	SH_CLERK	
Sarah		192	SH_CLERK	
Britney		193	SH_CLERK	
Samuel		194	SH_CLERK	
Vance		195	SH_CLERK	
Alana		196	SH_CLERK	
Kevin		197	SH_CLERK	
Donald		198	SH_CLERK	
Douglas		199	SH_CLERK	
Jennifer		200	AD_ASST	
Michael		201	MK_MAN	
Pat		202	MK_REP	
Susan		203	HR_REP	
Hermann		204	PR_REP	
Shelley		205	AC_MGR	

William		206	AC_ACCOUNT	
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+-----+	+-----+	+-----+
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- 7) write a query to display EMPLOYEE_ID, FIRST_NAME, and SALARY of those employees who do not have salaries of \$3300, \$3200, \$2200?

```
select first_name, employee_id, job_id from employees where salary
in(3300,3200,2200);
```

+-----+	+-----+	+-----+
---------	---------	---------

first_name		employee_id		job_id	
------------	--	-------------	--	--------	--

+-----+	+-----+	+-----+
---------	---------	---------

Julia		125	ST_CLERK	
-------	--	-----	----------	--

Steven		128	ST_CLERK	
--------	--	-----	----------	--

Laura		129	ST_CLERK	
-------	--	-----	----------	--

Jason		133	ST_CLERK	
-------	--	-----	----------	--

Hazel		136	ST_CLERK	
-------	--	-----	----------	--

Stephen		138	ST_CLERK	
---------	--	-----	----------	--

Winston		180	SH_CLERK	
---------	--	-----	----------	--

Samuel		194	SH_CLERK	
--------	--	-----	----------	--

+-----+	+-----+	+-----+
---------	---------	---------

- 8) Write a query to display names of those employees whose first name starts with 'A' and ends with 'N'?

```
select first_name from employees where first_name like "A%N";
```

+-----+

first_name	
------------	--

+-----+

Allan	
-------	--

+-----+

- 9) Write a query to display the list of employee names that have letters 'LA' in their names?

select first_name from employees where first_name like "%LA%";

+-----+

| first name |

+-----+

| Laura |

| Allan |

| Clara |

| Alana |

| Douglas |

+-----+

- 10) Write a query to display the EMPLOYEE_ID, FIRST_NAME, and SALARY of employees. In that, the highest paid employee should display first and lowest paid should display last?

select first_name,employee_id,salary from employees where salary between 2000 and 24000 order by salary desc;

+-----+-----+-----+

| first_name | employee_id | salary |

+-----+-----+-----+

| Steven | 100 | 24000.00 |

| Neena | 101 | 17000.00 |

Lex		102		17000.00	
John		145		14000.00	
Karen		146		13500.00	
Michael		201		13000.00	
Nancy		108		12000.00	
Alberto		147		12000.00	
Shelley		205		12000.00	
Lisa		168		11500.00	
Den		114		11000.00	
Gerald		148		11000.00	
Ellen		174		11000.00	
Eleni		149		10500.00	
Clara		162		10500.00	
Peter		150		10000.00	
Janette		156		10000.00	
Harrison		169		10000.00	
Hermann		204		10000.00	
Tayler		170		9600.00	
David		151		9500.00	
Patrick		157		9500.00	
Danielle		163		9500.00	
Alexander		103		9000.00	
Daniel		109		9000.00	
Peter		152		9000.00	
Allan		158		9000.00	
Alyssa		175		8800.00	

Jonathon		176		8600.00	
Jack		177		8400.00	
William		206		8300.00	
John		110		8200.00	
Adam		121		8200.00	
Matthew		120		8000.00	
Christopher		153		8000.00	
Lindsey		159		8000.00	
Payam		122		7900.00	
Jose Manuel		112		7800.00	
Ismael		111		7700.00	
Nanette		154		7500.00	
Louise		160		7500.00	
William		171		7400.00	
Elizabeth		172		7300.00	
Mattea		164		7200.00	
Oliver		155		7000.00	
Sarath		161		7000.00	
Kimberely		178		7000.00	
Luis		113		6900.00	
David		165		6800.00	
Shanta		123		6500.00	
Susan		203		6500.00	
Sundar		166		6400.00	
Amit		167		6200.00	
Charles		179		6200.00	

Sundita		173		6100.00	
Bruce		104		6000.00	
Pat		202		6000.00	
Kevin		124		5800.00	
David		105		4800.00	
Valli		106		4800.00	
Jennifer		200		4400.00	
Diana		107		4200.00	
Nandita		184		4200.00	
Alexis		185		4100.00	
Sarah		192		4000.00	
Britney		193		3900.00	
Kelly		188		3800.00	
Renske		137		3600.00	
Jennifer		189		3600.00	
Tenna		141		3500.00	
Julia		186		3400.00	
Laura		129		3300.00	
Jason		133		3300.00	
Julia		125		3200.00	
Stephen		138		3200.00	
Winston		180		3200.00	
Samuel		194		3200.00	
Alexander		115		3100.00	
Curtis		142		3100.00	
Jean		181		3100.00	

Alana		196		3100.00	
Anthony		187		3000.00	
Kevin		197		3000.00	
Shelli		116		2900.00	
Michael		134		2900.00	
Timothy		190		2900.00	
Sigal		117		2800.00	
Mozhe		130		2800.00	
Girard		183		2800.00	
Vance		195		2800.00	
Irene		126		2700.00	
John		139		2700.00	
Guy		118		2600.00	
Randall		143		2600.00	
Donald		198		2600.00	
Douglas		199		2600.00	
Karen		119		2500.00	
James		131		2500.00	
Joshua		140		2500.00	
Peter		144		2500.00	
Martha		182		2500.00	
Randall		191		2500.00	
James		127		2400.00	
Ki		135		2400.00	
Steven		128		2200.00	
Hazel		136		2200.00	

TJ		132		2100.00	
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+-----+	+-----+	+-----+	+-----+
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11) . Write a query to display FIRST_NAME of employees that have "a" in the second position?

select first_name from employees where first_name like '_A%';

+-----+

first_name

+-----+

David

Valli

Nancy

Daniel

Karen

Matthew

Payam

James

Laura

James

Jason

Hazel

Randall

Karen

David

Nanette

Janette

Patrick

Sarath

| Danielle |

| Matteo |

| David |

| Harrison |

| Tayler |

| Jack |

| Martha |

| Nandita |

| Randall |

| Sarah |

| Samuel |

| Vance |

| Pat |



12)Write a query to display EMPLOYEE_ID, FIRST_NAME, and SALARY of employees whose salaries do not lies in the range of \$1500 to \$3000; ?

select first_name,employee_id, salary from employees where not salary between 1500 and 3000;

+-----+-----+-----+		
first_name	employee_id	salary
+-----+-----+-----+		
Steven	100	24000.00
Neena	101	17000.00
Lex	102	17000.00
Alexander	103	9000.00
Bruce	104	6000.00
David	105	4800.00

Valli		106		4800.00	
Diana		107		4200.00	
Nancy		108		12000.00	
Daniel		109		9000.00	
John		110		8200.00	
Ismael		111		7700.00	
Jose Manuel		112		7800.00	
Luis		113		6900.00	
Den		114		11000.00	
Alexander		115		3100.00	
Matthew		120		8000.00	
Adam		121		8200.00	
Payam		122		7900.00	
Shanta		123		6500.00	
Kevin		124		5800.00	
Julia		125		3200.00	
Laura		129		3300.00	
Jason		133		3300.00	
Renske		137		3600.00	
Stephen		138		3200.00	
Trenna		141		3500.00	
Curtis		142		3100.00	
John		145		14000.00	
Karen		146		13500.00	
Alberto		147		12000.00	
Gerald		148		11000.00	

Eleni		149	10500.00	
Peter		150	10000.00	
David		151	9500.00	
Peter		152	9000.00	
Christopher		153	8000.00	
Nanette		154	7500.00	
Oliver		155	7000.00	
Janette		156	10000.00	
Patrick		157	9500.00	
Allan		158	9000.00	
Lindsey		159	8000.00	
Louise		160	7500.00	
Sarath		161	7000.00	
Clara		162	10500.00	
Danielle		163	9500.00	
Mattea		164	7200.00	
David		165	6800.00	
Sundar		166	6400.00	
Amit		167	6200.00	
Lisa		168	11500.00	
Harrison		169	10000.00	
Tayler		170	9600.00	
William		171	7400.00	
Elizabeth		172	7300.00	
Sundita		173	6100.00	
Ellen		174	11000.00	

Alyssa		175		8800.00	
Jonathon		176		8600.00	
Jack		177		8400.00	
Kimberely		178		7000.00	
Charles		179		6200.00	
Winston		180		3200.00	
Jean		181		3100.00	
Nandita		184		4200.00	
Alexis		185		4100.00	
Julia		186		3400.00	
Kelly		188		3800.00	
Jennifer		189		3600.00	
Sarah		192		4000.00	
Britney		193		3900.00	
Samuel		194		3200.00	
Alana		196		3100.00	
Jennifer		200		4400.00	
Michael		201		13000.00	
Pat		202		6000.00	
Susan		203		6500.00	
Hermann		204		10000.00	
Shelley		205		12000.00	
William		206		8300.00	

+-----+-----+-----+

13). Write a query to display the LAST_NAME of employees whose LAST_NAME have exactly 6 characters?

```
select last_name from employees where length (last_name) =6;
```

```
+-----+
```

```
| last_name |
```

```
+-----+
```

```
| Hunold   |
```

```
| Austin   |
```

```
| Faviet   |
```

```
| Tobias    |
```

```
| Himuro    |
```

```
| Landry    |
```

```
| Markle    |
```

```
| Bissot    |
```

```
| Marlow    |
```

```
| Mallin    |
```

```
| Rogers    |
```

```
| Ladwig    |
```

```
| Stiles    |
```

```
| Davies    |
```

```
| Vargas    |
```

```
| Tucker    |
```

```
| McEwen    |
```

```
| Sewall    |
```

```
| Greene    |
```

```
| Hutton    |
```


| Taylor |

| Taylor |

| Fleur |

| Cabrio |

| McCain |

| Feeney |

| Whalen |

| Mavris |



14). Write a query to display FIRST_NAME, LAST_NAME and DEPARTMENT_ID of all employees in departments 30 or 100 in ascending order?

select first_name,last_name,department_id from employees where department_id between 30 and 100 order by department_id asc;

+-----+-----+-----+

| first_name | last_name | department_id |

+-----+-----+-----+

| Den | Raphaely | 30 |

| Alexander | Khoo | 30 |

| Shelli | Baida | 30 |

| Sigal | Tobias | 30 |

| Guy | Himuro | 30 |

| Karen | Colmenares | 30 |

| Susan | Mavris | 40 |

| Matthew | Weiss | 50 |

| Adam | Fripp | 50 |

| Payam | Kaufling | 50 |

| Shanta | Vollman | 50 |

| Kevin | Mourgous | 50 |

Julia	Nayer	50	
Irene	Mikkilineni	50	
James	Landry	50	
Steven	Markle	50	
Laura	Bissot	50	
Mozhe	Atkinson	50	
James	Marlow	50	
TJ	Olson	50	
Jason	Mallin	50	
Michael	Rogers	50	
Ki	Gee	50	
Hazel	Philtanker	50	
Renske	Ladwig	50	
Stephen	Stiles	50	
John	Seo	50	
Joshua	Patel	50	
Trenna	Rajs	50	
Curtis	Davies	50	
Randall	Matos	50	
Peter	Vargas	50	
Winston	Taylor	50	
Jean	Fleur	50	
Martha	Sullivan	50	
Girard	Geoni	50	
Nandita	Sarchand	50	
Alexis	Bull	50	
Julia	Dellinger	50	

Anthony	Cabrio	50	
Kelly	Chung	50	
Jennifer	Dilly	50	
Timothy	Gates	50	
Randall	Perkins	50	
Sarah	Bell	50	
Britney	Everett	50	
Samuel	McCain	50	
Vance	Jones	50	
Alana	Walsh	50	
Kevin	Feeney	50	
Donald	OConnell	50	
Douglas	Grant	50	
Alexander	Hunold	60	
Bruce	Ernst	60	
David	Austin	60	
Valli	Pataballa	60	
Diana	Lorentz	60	
Hermann	Baer	70	
John	Russell	80	
Karen	Partners	80	
Alberto	Errazuriz	80	
Gerald	Cambrault	80	
Eleni	Zlotkey	80	
Peter	Tucker	80	
David	Bernstein	80	
Peter	Hall	80	

Christopher	Olsen		80	
Nanette	Cambrault		80	
Oliver	Tuvault		80	
Janette	King		80	
Patrick	Sully		80	
Allan	McEwen		80	
Lindsey	Smith		80	
Louise	Doran		80	
Sarath	Sewall		80	
Clara	Vishney		80	
Danielle	Greene		80	
Mattea	Marvins		80	
David	Lee		80	
Sundar	Ande		80	
Amit	Banda		80	
Lisa	Ozer		80	
Harrison	Bloom		80	
Tayler	Fox		80	
William	Smith		80	
Elizabeth	Bates		80	
Sundita	Kumar		80	
Ellen	Abel		80	
Alyssa	Hutton		80	
Jonathon	Taylor		80	
Jack	Livingston		80	
Charles	Johnson		80	
Steven	King		90	

Neena	Kochhar	90	
Lex	De Haan	90	
Nancy	Greenberg	100	
Daniel	Faviert	100	
John	Chen	100	
Ismael	Sciarra	100	
Jose Manuel	Urman	100	
Luis	Popp	100	

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15)Write a query to display FIRST_NAME, LAST_NAME and SALARY for all employees whose salary is not in the range \$10,000 through \$15,000 and are in department 30 or 100?

select first_name,last_name,salary from employees where salary not between 10000 and 15000 and department_id in (30,100);

+-----+	+-----+	+-----+	
first_name	last_name	salary	
+-----+	+-----+	+-----+	
Alexander	Khoo	3100.00	
Shelli	Baida	2900.00	
Sigal	Tobias	2800.00	
Guy	Himuro	2600.00	
Karen	Colmenares	2500.00	
Daniel	Faviert	9000.00	
John	Chen	8200.00	
Ismael	Sciarra	7700.00	
Jose Manuel	Urman	7800.00	
Luis	Popp	6900.00	
+-----+	+-----+	+-----+	

16) . Write a query to display FIRST_NAME, LAST_NAME and HIRE_DATE for all employees who were hired in 1987.?

```
select first_name,last_name,hire_date from employees where year(hire_date)=1987;
```

```
+-----+-----+-----+
| first_name | last_name | hire_date |
+-----+-----+-----+
| Steven    | King     | 1987-06-17 |
| Jennifer  | Whalen   | 1987-09-17 |
+-----+-----+-----+
```

17) Write a query to display the LAST_NAME of employees whose LAST_NAME have exactly 6 characters

```
select last_name from employees where length(last_name)=6;
```

```
+-----+
| last_name |
+-----+
| Hunold    |
| Austin    |
| Faviet    |
| Tobias    |
| Himuro    |
| Landry    |
| Markle    |
| Bissot    |
| Marlow    |
| Mallin    |
| Rogers    |
| Ladwig    |
| Stiles    |
| Davies    |
| Vargas    |
```

| Tucker |

| McEwen |

| Sewall |

| Greene |

| Hutton |

| Taylor |

| Taylor |

| Fleaur |

| Cabrio |

| McCain |

| Feeney |

| Whalen |

| Mavris |

+-----+

18) Write a query to display FIRST_NAME, SALARY and PF (15% of salary) of all employees?

select first_name,salary,(salary*0.15) as pf from employees;

+-----+-----+-----+

| first_name | salary | pf |

+-----+-----+-----+

| Steven | 24000.00 | 3600.0000 |

| Neena | 17000.00 | 2550.0000 |

| Lex | 17000.00 | 2550.0000 |

| Alexander | 9000.00 | 1350.0000 |

| Bruce | 6000.00 | 900.0000 |

| David | 4800.00 | 720.0000 |

| Valli | 4800.00 | 720.0000 |

| Diana | 4200.00 | 630.0000 |

| Nancy | 12000.00 | 1800.0000 |

| Daniel | 9000.00 | 1350.0000 |

| John | 8200.00 | 1230.0000 |

Ismael	7700.00	1155.0000	
Jose Manuel	7800.00	1170.0000	
Luis	6900.00	1035.0000	
Den	11000.00	1650.0000	
Alexander	3100.00	465.0000	
Shelli	2900.00	435.0000	
Sigal	2800.00	420.0000	
Guy	2600.00	390.0000	
Karen	2500.00	375.0000	
Matthew	8000.00	1200.0000	
Adam	8200.00	1230.0000	
Payam	7900.00	1185.0000	
Shanta	6500.00	975.0000	
Kevin	5800.00	870.0000	
Julia	3200.00	480.0000	
Irene	2700.00	405.0000	
James	2400.00	360.0000	
Steven	2200.00	330.0000	
Laura	3300.00	495.0000	
Mozhe	2800.00	420.0000	
James	2500.00	375.0000	
TJ	2100.00	315.0000	
Jason	3300.00	495.0000	
Michael	2900.00	435.0000	
Ki	2400.00	360.0000	
Hazel	2200.00	330.0000	
Renske	3600.00	540.0000	
Stephen	3200.00	480.0000	
John	2700.00	405.0000	
Joshua	2500.00	375.0000	

Trena	3500.00	525.0000	
Curtis	3100.00	465.0000	
Randall	2600.00	390.0000	
Peter	2500.00	375.0000	
John	14000.00	2100.0000	
Karen	13500.00	2025.0000	
Alberto	12000.00	1800.0000	
Gerald	11000.00	1650.0000	
Eleni	10500.00	1575.0000	
Peter	10000.00	1500.0000	
David	9500.00	1425.0000	
Peter	9000.00	1350.0000	
Christopher	8000.00	1200.0000	
Nanette	7500.00	1125.0000	
Oliver	7000.00	1050.0000	
Janette	10000.00	1500.0000	
Patrick	9500.00	1425.0000	
Allan	9000.00	1350.0000	
Lindsey	8000.00	1200.0000	
Louise	7500.00	1125.0000	
Sarath	7000.00	1050.0000	
Clara	10500.00	1575.0000	
Danielle	9500.00	1425.0000	
Mattea	7200.00	1080.0000	
David	6800.00	1020.0000	
Sundar	6400.00	960.0000	
Amit	6200.00	930.0000	
Lisa	11500.00	1725.0000	
Harrison	10000.00	1500.0000	
Tayler	9600.00	1440.0000	

William	7400.00	1110.0000	
Elizabeth	7300.00	1095.0000	
Sundita	6100.00	915.0000	
Ellen	11000.00	1650.0000	
Alyssa	8800.00	1320.0000	
Jonathon	8600.00	1290.0000	
Jack	8400.00	1260.0000	
Kimberely	7000.00	1050.0000	
Charles	6200.00	930.0000	
Winston	3200.00	480.0000	
Jean	3100.00	465.0000	
Martha	2500.00	375.0000	
Girard	2800.00	420.0000	
Nandita	4200.00	630.0000	
Alexis	4100.00	615.0000	
Julia	3400.00	510.0000	
Anthony	3000.00	450.0000	
Kelly	3800.00	570.0000	
Jennifer	3600.00	540.0000	
Timothy	2900.00	435.0000	
Randall	2500.00	375.0000	
Sarah	4000.00	600.0000	
Britney	3900.00	585.0000	
Samuel	3200.00	480.0000	
Vance	2800.00	420.0000	
Alana	3100.00	465.0000	
Kevin	3000.00	450.0000	
Donald	2600.00	390.0000	
Douglas	2600.00	390.0000	
Jennifer	4400.00	660.0000	

Michael	13000.00	1950.0000	
Pat	6000.00	900.0000	
Susan	6500.00	975.0000	
Hermann	10000.00	1500.0000	
Shelley	12000.00	1800.0000	
William	8300.00	1245.0000	
+-----+-----+-----+			

19) Write a query to display FIRST_NAME, SALARY and commission amount (% of salary) of all employees?

```
select first_name,salary,(salary*commission_pct) as commission_amount from
employees;
```

+-----+-----+-----+			
first_name	salary	commission_amount	
+-----+-----+-----+			
Steven	24000.00	NULL	
Neena	17000.00	NULL	
Lex	17000.00	NULL	
Alexander	9000.00	NULL	
Bruce	6000.00	NULL	
David	4800.00	NULL	
Valli	4800.00	NULL	
Diana	4200.00	NULL	
Nancy	12000.00	NULL	
Daniel	9000.00	NULL	
John	8200.00	NULL	
Ismael	7700.00	NULL	
Jose Manuel	7800.00	NULL	

Luis	6900.00	NULL
Den	11000.00	NULL
Alexander	3100.00	NULL
Shelli	2900.00	NULL
Sigal	2800.00	NULL
Guy	2600.00	NULL
Karen	2500.00	NULL
Matthew	8000.00	NULL
Adam	8200.00	NULL
Payam	7900.00	NULL
Shanta	6500.00	NULL
Kevin	5800.00	NULL
Julia	3200.00	NULL
Irene	2700.00	NULL
James	2400.00	NULL
Steven	2200.00	NULL
Laura	3300.00	NULL
Mozhe	2800.00	NULL
James	2500.00	NULL
TJ	2100.00	NULL
Jason	3300.00	NULL
Michael	2900.00	NULL
Ki	2400.00	NULL
Hazel	2200.00	NULL
Renske	3600.00	NULL
Stephen	3200.00	NULL

John	2700.00	NULL	
Joshua	2500.00	NULL	
Trena	3500.00	NULL	
Curtis	3100.00	NULL	
Randall	2600.00	NULL	
Peter	2500.00	NULL	
John	14000.00	5600.0000	
Karen	13500.00	4050.0000	
Alberto	12000.00	3600.0000	
Gerald	11000.00	3300.0000	
Eleni	10500.00	2100.0000	
Peter	10000.00	3000.0000	
David	9500.00	2375.0000	
Peter	9000.00	2250.0000	
Christopher	8000.00	1600.0000	
Nanette	7500.00	1500.0000	
Oliver	7000.00	1050.0000	
Janette	10000.00	3500.0000	
Patrick	9500.00	3325.0000	
Allan	9000.00	3150.0000	
Lindsey	8000.00	2400.0000	
Louise	7500.00	2250.0000	
Sarath	7000.00	1750.0000	
Clara	10500.00	2625.0000	
Danielle	9500.00	1425.0000	
Mattea	7200.00	720.0000	

David	6800.00	680.0000	
Sundar	6400.00	640.0000	
Amit	6200.00	620.0000	
Lisa	11500.00	2875.0000	
Harrison	10000.00	2000.0000	
Tayler	9600.00	1920.0000	
William	7400.00	1110.0000	
Elizabeth	7300.00	1095.0000	
Sundita	6100.00	610.0000	
Ellen	11000.00	3300.0000	
Alyssa	8800.00	2200.0000	
Jonathon	8600.00	1720.0000	
Jack	8400.00	1680.0000	
Kimberly	7000.00	1050.0000	
Charles	6200.00	620.0000	
Winston	3200.00	NULL	
Jean	3100.00	NULL	
Martha	2500.00	NULL	
Girard	2800.00	NULL	
Nandita	4200.00	NULL	
Alexis	4100.00	NULL	
Julia	3400.00	NULL	
Anthony	3000.00	NULL	
Kelly	3800.00	NULL	
Jennifer	3600.00	NULL	
Timothy	2900.00	NULL	

Randall	2500.00	NULL	
Sarah	4000.00	NULL	
Britney	3900.00	NULL	
Samuel	3200.00	NULL	
Vance	2800.00	NULL	
Alana	3100.00	NULL	
Kevin	3000.00	NULL	
Donald	2600.00	NULL	
Douglas	2600.00	NULL	
Jennifer	4400.00	NULL	
Michael	13000.00	NULL	
Pat	6000.00	NULL	
Susan	6500.00	NULL	
Hermann	10000.00	NULL	
Shelley	12000.00	NULL	
William	8300.00	NULL	

+-----+-----+-----+

20) Write a query to display FIRST_NAME, SALARY and NET_SALARY after 500 deduction from salary of all employees;?

select first_name,salary,(salary-500) as net_salary from employees;

+-----+-----+-----+

first_name	salary	net_salary	
------------	--------	------------	--

+-----+-----+-----+

Steven	24000.00	23500.00	
--------	----------	----------	--

Neena	17000.00	16500.00	
-------	----------	----------	--

Lex	17000.00	16500.00	
-----	----------	----------	--

Alexander	9000.00	8500.00	
-----------	---------	---------	--

Bruce	6000.00	5500.00	
David	4800.00	4300.00	
Valli	4800.00	4300.00	
Diana	4200.00	3700.00	
Nancy	12000.00	11500.00	
Daniel	9000.00	8500.00	
John	8200.00	7700.00	
Ismael	7700.00	7200.00	
Jose Manuel	7800.00	7300.00	
Luis	6900.00	6400.00	
Den	11000.00	10500.00	
Alexander	3100.00	2600.00	
Shelli	2900.00	2400.00	
Sigal	2800.00	2300.00	
Guy	2600.00	2100.00	
Karen	2500.00	2000.00	
Matthew	8000.00	7500.00	
Adam	8200.00	7700.00	
Payam	7900.00	7400.00	
Shanta	6500.00	6000.00	
Kevin	5800.00	5300.00	
Julia	3200.00	2700.00	
Irene	2700.00	2200.00	
James	2400.00	1900.00	
Steven	2200.00	1700.00	
Laura	3300.00	2800.00	
Mozhe	2800.00	2300.00	
James	2500.00	2000.00	
TJ	2100.00	1600.00	

Jason	3300.00	2800.00	
Michael	2900.00	2400.00	
Ki	2400.00	1900.00	
Hazel	2200.00	1700.00	
Renske	3600.00	3100.00	
Stephen	3200.00	2700.00	
John	2700.00	2200.00	
Joshua	2500.00	2000.00	
Tenna	3500.00	3000.00	
Curtis	3100.00	2600.00	
Randall	2600.00	2100.00	
Peter	2500.00	2000.00	
John	14000.00	13500.00	
Karen	13500.00	13000.00	
Alberto	12000.00	11500.00	
Gerald	11000.00	10500.00	
Eleni	10500.00	10000.00	
Peter	10000.00	9500.00	
David	9500.00	9000.00	
Peter	9000.00	8500.00	
Christopher	8000.00	7500.00	
Nanette	7500.00	7000.00	
Oliver	7000.00	6500.00	
Janette	10000.00	9500.00	
Patrick	9500.00	9000.00	
Allan	9000.00	8500.00	
Lindsey	8000.00	7500.00	
Louise	7500.00	7000.00	
Sarath	7000.00	6500.00	

Clara	10500.00	10000.00	
Danielle	9500.00	9000.00	
Matteo	7200.00	6700.00	
David	6800.00	6300.00	
Sundar	6400.00	5900.00	
Amit	6200.00	5700.00	
Lisa	11500.00	11000.00	
Harrison	10000.00	9500.00	
Tayler	9600.00	9100.00	
William	7400.00	6900.00	
Elizabeth	7300.00	6800.00	
Sundita	6100.00	5600.00	
Ellen	11000.00	10500.00	
Alyssa	8800.00	8300.00	
Jonathon	8600.00	8100.00	
Jack	8400.00	7900.00	
Kimberely	7000.00	6500.00	
Charles	6200.00	5700.00	
Winston	3200.00	2700.00	
Jean	3100.00	2600.00	
Martha	2500.00	2000.00	
Girard	2800.00	2300.00	
Nandita	4200.00	3700.00	
Alexis	4100.00	3600.00	
Julia	3400.00	2900.00	
Anthony	3000.00	2500.00	
Kelly	3800.00	3300.00	
Jennifer	3600.00	3100.00	
Timothy	2900.00	2400.00	

Randall	2500.00	2000.00	
Sarah	4000.00	3500.00	
Britney	3900.00	3400.00	
Samuel	3200.00	2700.00	
Vance	2800.00	2300.00	
Alana	3100.00	2600.00	
Kevin	3000.00	2500.00	
Donald	2600.00	2100.00	
Douglas	2600.00	2100.00	
Jennifer	4400.00	3900.00	
Michael	13000.00	12500.00	
Pat	6000.00	5500.00	
Susan	6500.00	6000.00	
Hermann	10000.00	9500.00	
Shelley	12000.00	11500.00	
William	8300.00	7800.00	

+-----+-----+-----+