

National University Of Computer and Emerging Sciences

Lab Task 2

Name - Muhammad Taha

Roll NO - 23p-0559

SECTION - BCS(4A)

Subject - DataBase Lab

--23P-0559--BSCS(4A) SELECT FIRST NAME, LAST NAME FROM EMPLOYEES; cript Output × Query Result × SQL | Fetched 50 rows in 0.025 seconds ∯ FIRST_NAME ¹Ellen Abel ² Sundar Ande 3 Mozhe Atkinson 4 David Austin 5 Hermann Baer ⁶Shelli ⁷Amit Baida Banda Elizabeth Bates 9 Sarah Bell 10 David Bernstein 11 Laura Bissot ¹² Harrison Bloom 13 Alexis Bull 14 Anthony Cabrio 15 Gerald Cambrault 16 Nanette Cambrault 17 John Chen 18 Kellv Chung 19 Karen Colmenares 20 Curtis Davies 21 Lex De Haan Dellinger 22 Julia 23 Jennifer Dilly 24 Louise Doran 25 Bruce Ernst Errazuriz Everett 26 Alberto 27 Britney 28 Daniel Faviet 29 Pat Fav 30 Kevin Feeney

Fleaur

Jean

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--23P-0559--BSCS (4A)
     SELECT HIRE DATE AS "Joining Date" FROM EMPLOYEES;
  ript Output × Query Result ×
  SQL | Fetched 50 rows in 0.006 seconds
   Joining Date
  17-JUN-03
221-SEP-05
221-SEP-05
313-JAN-01
403-JAN-06
521-MAY-07
625-JUN-05
705-FEB-06
807-FEB-07
917-AUG-02
1016-AUG-02
1128-SEP-05
1230-SEP-05
1307-MAR-06
1407-DEC-07
1507-DEC-02
15 07-DEC-02

16 18-MAY-03

17 24-DEC-05

18 24-JUL-05

19 15-NOV-06

20 10-AUG-07

21 18-JUL-04

22 10-APR-05

23 01-MAY-03

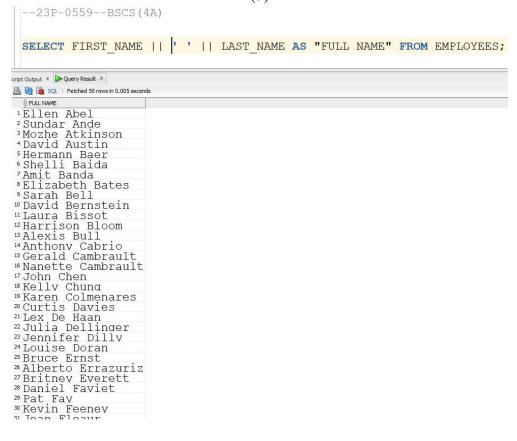
24 10-OCT-05

25 16-NOV-07

26 16-JUL-05

27 28-SEP-06
27 28-SEP-06
28 14-JAN-07
29 08-MAR-08
30 20-AUG-05
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(3)



(4)

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--23P-0559--BSCS (4A)

SELECT salary FROM EMPLOYEES WHERE SALARY*12 > 20000 AND SALARY*12 < 30000;

Query Result ×

Sol | All Rows Fetched: 5 in 0.006 seconds

SALARY

1 2400
2 2200
3 2100
4 2400
5 2200
```

(5) --23P-0559--BSCS (4A) SELECT employee id, FIRST NAME FROM EMPLOYEES WHERE DEPARTMENT ID BETWEEN 60 AND 100; Query Result × SQL | All Rows Fetched: 49 in 0.01 seco ♦ EMPLOYEE_ID ♦ FIRST_NAME 100 Steven 101 Neena 102 Lex 103Alexander 104 Bruce 105 David 106 Valli 107 Diana 108 Nancy 10 109 Daniel 110 John 111 Ismael 11 112 Jose Manuel 113 Luis 145 John 13 14 146Karen 147Alberto 148Gerald 16 17 19 149Eleni 20 150 Peter 151 David 22 152 Peter 153 Christopher 154 Nanette 23 25 1550liver 156 Janette 157 Patrick 26 27 28 158 Allan 159 Lindsey 160 Louise 29 31 161 Sarath (6) --23P-0559--BSCS (4A) SELECT * FROM EMPLOYEES WHERE COMMISSION PCT IS NULL; Query Result × SQL | Fetched 50 rows in 0.06 seconds BMPLOYE_D | FREST_NAME

100 Steven

101 Neena

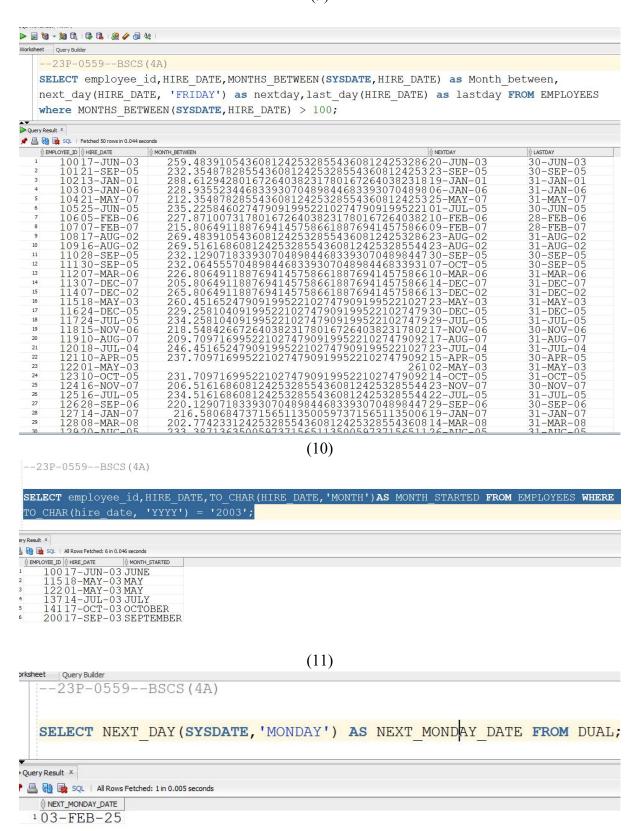
102 Lex

103 Alexander \$ SALARY 24000 17000 17000 9000 6000 4800 4200 12008 8200 8200 OMMISSION_FCT (MANAGER_D)
(Null) (Null) (Null) (Null) (Null) 100 (Null) 102 (Null) 103 104Bruce 105David 106Valli 107Diana PROG
MGR
ACCOUNT
ACCOUNT
ACCOUNT
ACCOUNT
ACCOUNT
MAN
CLERK
CLERK
CLERK
CLERK
CLERK
MAN
MAN
MAN
MAN
MAN 101 108 108 108 100 100 100 100 108 Nancy 109 Daniel (null) 8200 7700 7800 6900 110 John (null) 111 Ismael Sciarra 112 Jose Manuel Urman 113 Luis Popp (null) 100 13 6900 11000 3100 2900 2800 2500 8000 8200 7900 114 Den 115 Alexander 116 Shelli 117 Sigal (null) 100 114 114 114 114 114 100 100 30 30 30 30 30 55 50 55 50 55 50 55 50 (null) 17 (null) 118 Guy (null 119 Karen 120 Matthew (null) (null) (null) 121 Adam 122 Pavam 123 Shanta 23 (null) 100 100 120 120 120 120 121 MAN
MAN
MAN
CLERK
CLERK
CLERK
CLERK
CLERK
CLERK
CLERK 7900 6500 5800 3200 2700 2400 2200 3300 (null) (null) (null) 24 124 Kevin 125 Julia 126 Irene 127 James 128 Steven (null) (null) (null) 27 129 Laura (null

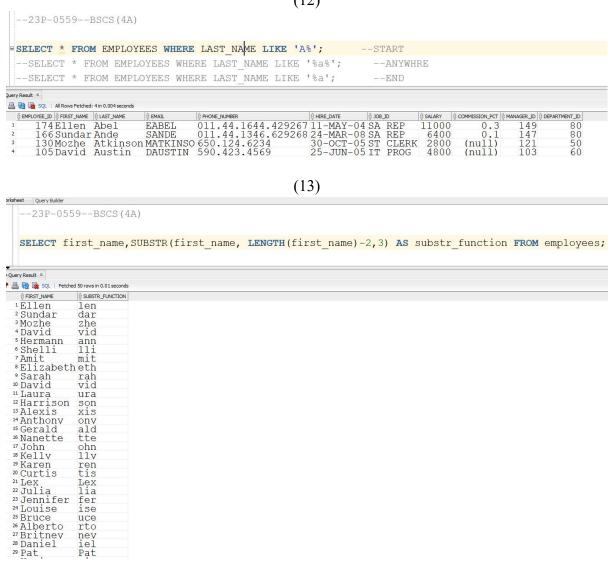
--23P-0559--BSCS (4A) SELECT * FROM EMPLOYEES ORDER BY SALARY DESC: P 🖺 📵 🗟 squ (null) (null) (null) 100 (null) 100 100 Steven 24000 17000 17000 14000 13500 13000 12008 12008 12000 11500 11000 100 Steven 101 Neena 102 Lex 145 John 146 Karen 201 Michael 146Karen 201Michael 108Nancv 205Shellev 147Alberto 168Lisa 114Den 148Gerald 174Ellen 149Eleni 162Clara 156Janette 150Peter 204Hermann 169Harrison 170Tayler 163Danielle 157Patrick 152Peter 103Alexander 158Allan 109Daniel 175Alvssa 176Jonsthop -04 MK -02 FI -02 AC -05 SA -05 SA -02 PU -07 SA -04 SA -08 SA (null) -MAR -MAR -DEC -OCT -MAY Ω -NOV 0.25 JAN-JAN-JUN-. 345268 24 MAR-05 SA .929268 04 MAR-04 SA . 478968 20-AUG-05 SA . 429268 01-AUG-05 SA . 629268 01-AUG-04 SA . 629268 01-AUG-02 FI . 429266 19-MAR-06 SA . 429265 24-MAR-06 SA . 429264 23-AFR-06 SA REP ACCOUNT REP 0.25 0.2 0.2 0.2 Alvssa 76 Jonathon 177 Jack 206 William (8) --23P-0559--BSCS (4A) SELECT INITCAP (FIRST NAME), LOWER (JOB ID) FROM EMPLOYEES; Query Result X 🚇 🙀 🗽 SQL | Fetched 50 rows in 0.059 seconds \$\text{INITCAP(FIRST_NAME)} \text{\$\text{\$\text{LOWER(JOB_ID)}}\$ ¹Ellen sa rep ² Sundar sa rep st clerk 3 Mozhe 4 David it proq 5 Hermann pr rep 6 Shelli pu clerk 7 Amit sa rep Elizabeth sa rep 9 Sarah sh clerk 10 David sa rep 11 Laura st clerk ¹² Harrison sa rep 13 Alexis sh clerk 14 Anthony sh clerk 15 Gerald sa man 16 Nanette sa rep 17 John fi account 18 Kellv sh clerk 19 Karen pu clerk 20 Curtis st clerk 21 Lex ad vp 22 Julia sh clerk 23 Jennifer sh clerk 24 Louise sa rep 25 Bruce it prog 26 Alberto sa man 27 Britney sh clerk 28 Daniel fi account 29 Pat mk rep

sh clerk

30 Kevin

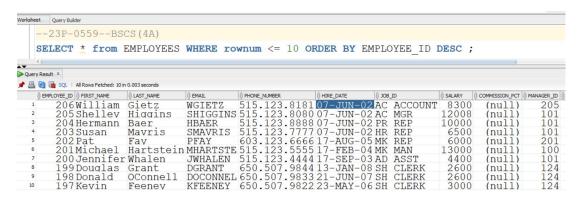


(12)

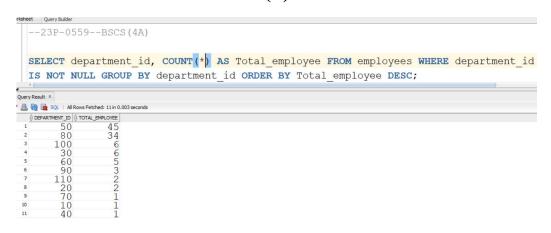


HOME TASK:

(1)



(2)



(4)

--23P-0559--BSCS(4A)

SELECT manager_id, department_id, ROUND(AVG(commission_pct),2) AS "AVG_COMMISION"

FROM EMPLOYEES WHERE COMMISSION_PCT IS NOT NULL GROUP BY manager_id, department_id;

wery Result ×

SELECT manager_id, department_id;

NOT NULL GROUP BY manager_id, department_id;

1 1 47 80 0.13

1 147 80 0.13

2 149 (null) 0.15

3 148 80 0.18

4 146 80 0.32

5 149 80 0.21

6 100 80 0.3

7 145 80 0.23