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-- MENU DRIVEN PROGRAM <ABHISHEK MONDAL> [12001018036] 31-05-2020-
SET SERVEROUTPUT ON
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```
PROMPT _____
PROMPT |- 1. List names of all employees who work for Indian bank
PROMPT |- 2. List names of managers and with cities and the company names where they work
PROMPT |- 3. List names of employees who earn more than every employee of united bank
PROMPT |- 4. Find company name with largest payroll
PROMPT |- 5. List names of all employees and their cities of residence who work in state bank
PROMPT |- 6. Find employees of state bank of burdwan who earn more than Rs. 30000
PROMPT |- 7. Find names of employees who live in the same city as the company in which they work
PROMPT |- 8. Find names of employees who live in the same city as do their manager
PROMPT _____
ACCEPT ch NUMBER PROMPT '|-  ENTER YOUR CHOICE: ';
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```
DECLARE
choice NUMBER(1);
-- a) List the names of all employees who work for Indian bank.
CURSOR cur_empname IS SELECT e_name EMPLOYEE_NAME
    FROM works
    WHERE cmp_name = 'Indian bank';
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-- b) List the names of managers and with cities and the company names where they work.
CURSOR cur_mgrname IS SELECT manager.mng_name MANAGER_NAME , works.city CITY , works.cmp_name COMPANY_NAME
    FROM manager, works
    WHERE works.e_name = manager.mng_name
    GROUP BY (manager.mng_name, works.city, works.cmp_name)
ORDER BY (manager.mng_name);
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-- c) List the names of employees who earn more than every employee of united bank.
CURSOR cur_empsal IS SELECT e.e_name EMPLOYEE_NAME
    FROM employee1 e, works w
    WHERE e.e_name = w.e_name AND
        w.cmp_name <> 'united bank' AND
        e.salary > ( SELECT MAX(e.salary)
    FROM employee1 e, works w
    WHERE e.e_name = w.e_name AND
        w.cmp_name='united bank');
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-- d) Find the company name with largest payroll.
CURSOR cur_maxpay IS SELECT w.cmp_name COMPANY_NAME
    FROM employee1 e, works w
    WHERE e.e_name=w.e_name AND
        e.salary = (SELECT MAX(salary) FROM employee1);
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-- e) List the names of all employees and their cities of residence who work in state bank.
CURSOR cur_emplist IS SELECT e.e_name EMPLOYEE_NAME , e.city CITY
    FROM employee1 e, works w
    WHERE e.e_name = w.e_name AND
        w.cmp_name = 'state bank';
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-- f) Find the employees of state bank of burdwan who earn more than Rs. 30000/-.
CURSOR cur_empsal30 IS SELECT e.e_name EMPLOYEE_NAME
    FROM employee1 e, works w
    WHERE e.e_name = w.e_name AND
        w.cmp_name='state bank' AND
        w.city = 'Burdwan' AND
        e.salary>30000;
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-- g) Find the names of employees who live in the same city as the company in which they work.
CURSOR cur_empcity IS SELECT e.e_name EMPLOYEE_NAME
    FROM employee1 e, works w, company c
    WHERE e.e_name = w.e_name AND
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e.city = w.city AND
w.cmp_name = c.cmp_name;

-- h) Find the names of employees who live in the same city as do their manager.
CURSOR cur_empmgrcity IS SELECT e1.e_name AS EMPLOYEE_NAME
FROM employee1 e1, employee1 e2, manager m
WHERE e1.e_name = m.e_name AND
e2.e_name = m.mng_name AND
e1.city = e2.city;

BEGIN
choice:=&ch;

CASE
WHEN choice=1 THEN
FOR empname IN cur_empname
LOOP
DBMS_OUTPUT.PUT_LINE('_____');
DBMS_OUTPUT.PUT_LINE('EMPLOYEE NAME ');
DBMS_OUTPUT.PUT_LINE('----- ');
DBMS_OUTPUT.PUT_LINE(empname.EMPLOYEE_NAME );
END LOOP;

WHEN choice=2 THEN
FOR mgr IN cur_mgrname
LOOP
DBMS_OUTPUT.PUT_LINE('_____');
DBMS_OUTPUT.PUT_LINE('MANAGER NAME CITY COMPANY NAME');
DBMS_OUTPUT.PUT_LINE('----- ');
DBMS_OUTPUT.PUT_LINE(mgr.MANAGER_NAME||' '||mgr.CITY||' '||mgr.COMPANY_NAME);
END LOOP;

WHEN choice=3 THEN
DBMS_OUTPUT.PUT_LINE('_____');
DBMS_OUTPUT.PUT_LINE('EMPLOYEE NAME ');
DBMS_OUTPUT.PUT_LINE('_____');
FOR empsal IN cur_empsal
LOOP
DBMS_OUTPUT.PUT_LINE(empsal.EMPLOYEE_NAME);
END loop;

WHEN choice=4 THEN
DBMS_OUTPUT.PUT_LINE('_____');
DBMS_OUTPUT.PUT_LINE('COMPANY NAME');
DBMS_OUTPUT.PUT_LINE('_____');
FOR cmpname IN cur_maxpay
LOOP
DBMS_OUTPUT.PUT_LINE(cmpname.COMPANY_NAME);
END LOOP ;

WHEN choice=5 THEN
FOR emp IN cur_emplist
LOOP
DBMS_OUTPUT.PUT_LINE('_____');
DBMS_OUTPUT.PUT_LINE('EMPLOYEE NAME CITY ');
DBMS_OUTPUT.PUT_LINE('----- ');
DBMS_OUTPUT.PUT_LINE(emp.EMPLOYEE_NAME||' '||emp.CITY);
END LOOP;

WHEN choice=6 THEN
DBMS_OUTPUT.PUT_LINE('_____');
DBMS_OUTPUT.PUT_LINE('EMPLOYEE NAME ');
DBMS_OUTPUT.PUT_LINE('----- ');
FOR emp IN cur_empsal30
LOOP

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        DBMS_OUTPUT.PUT_LINE(emp.EMPLOYEE_NAME);
    END LOOP;

WHEN choice=7 THEN
    DBMS_OUTPUT.PUT_LINE('_____ ');
    DBMS_OUTPUT.PUT_LINE('EMPLOYEE NAME ');
    DBMS_OUTPUT.PUT_LINE('----- ');
    FOR empcity IN cur_empcity
    LOOP
        DBMS_OUTPUT.PUT_LINE(empcity.EMPLOYEE_NAME);
    END LOOP;

WHEN choice=8 THEN
    DBMS_OUTPUT.PUT_LINE('_____ ');
    DBMS_OUTPUT.PUT_LINE('EMPLOYEE NAME ');
    DBMS_OUTPUT.PUT_LINE('----- ');
    FOR empmgrcity IN cur_empmgrcity
    LOOP
        DBMS_OUTPUT.PUT_LINE(empmgrcity.EMPLOYEE_NAME);
    END LOOP;

ELSE
    DBMS_OUTPUT.PUT_LINE('WRONG INPUT');
END CASE;
END;
/

/** -----OUTPUT

CREATE TABLE company (
    cmp_name VARCHAR2(50),
    city varchar2(20),
    PRIMARY KEY (cmp_name)
);
CREATE TABLE employee1 (
    e_no NUMBER(6),
    e_name VARCHAR2(30) NOT NULL,
    street VARCHAR2(20),
    city VARCHAR2(20),
    salary NUMBER(10, 2)
);
CREATE TABLE manager (
    e_name VARCHAR2(30),
    mng_name VARCHAR2(30)
);
CREATE TABLE works (
    e_name VARCHAR2(30),
    cmp_name VARCHAR2(50),
    street VARCHAR2(20),
    city VARCHAR2(20)
);

INSERT INTO company VALUES ('Indian bank', 'Kolkata');
INSERT INTO company VALUES ('united bank', 'Durgapur');
INSERT INTO company VALUES ('state bank', 'Burdwan');

INSERT INTO employee1 VALUES (10001, 'AAA', 'DM Road', 'Kolkata', 10000);
INSERT INTO employee1 VALUES (10002, 'BBB', 'PL Road', 'Kolkata', 11000);
INSERT INTO employee1 VALUES (10005, 'CCC', 'LK Road', 'Durgapur', 15000);
INSERT INTO employee1 VALUES (10006, 'GGGG', 'EM Road', 'Delhi', 9000);
INSERT INTO employee1 VALUES (10007, 'DDD', 'KL', 'Durgapur', 6000);
INSERT INTO employee1 VALUES (10009, 'FFF', 'LP', 'Delhi', 14000);

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INSERT INTO employee1 VALUES (10010, 'HHH', 'JJP', 'Kolkata', 30500);
INSERT INTO employee1 VALUES (10011, 'III', 'JJP', 'Kolkata', 14200);
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```
INSERT INTO manager VALUES ('AAA', 'BBB');
INSERT INTO manager VALUES ('GGGG', 'CCC');
INSERT INTO manager VALUES ('DDD', 'CCC');
INSERT INTO manager VALUES ('FFF', 'CCC');
INSERT INTO manager VALUES ('III', 'HHH');
```

```
INSERT INTO works VALUES ('AAA', 'Indian bank', 'Palo Alto', 'Kolkata');
INSERT INTO works VALUES ('BBB', 'Indian bank', 'Palo Alto', 'Kolkata');
INSERT INTO works VALUES ('CCC', 'united bank', 'City Palace', 'Durgapur');
INSERT INTO works VALUES ('GGGG', 'united bank', 'City Palace', 'Durgapur');
INSERT INTO works VALUES ('DDD', 'united bank', 'City Palace', 'Durgapur');
INSERT INTO works VALUES ('FFF', 'united bank', 'City Palace', 'Durgapur');
INSERT INTO works VALUES ('HHH', 'state bank', 'N Palace', 'Burdwan');
INSERT INTO works VALUES ('III', 'state bank', 'N Palace', 'Burdwan');
```

```
SELECT *
FROM company;
SELECT *
FROM employee1;
SELECT *
FROM manager;
SELECT *
FROM works;
```

```
SQL> @"H:\PL SQL PROGRAMS\03_06_menu.sql"
```

- 
- | - 1. List names of all employees who work for Indian bank
  - | - 2. List names of managers and with cities and the company names where they work
  - | - 3. List names of employees who earn more than every employee of united bank
  - | - 4. Find company name with largest payroll
  - | - 5. List names of all employees and their cities of residence who work in state bank
  - | - 6. Find employees of state bank of burdwan who earn more than Rs. 30000
  - | - 7. Find names of employees who live in the same city as the company in which they work
  - | - 8. Find names of employees who live in the same city as do their manager
- 

| - ENTER YOUR CHOICE: 1

old 55: choice:=&ch;

new 55: choice:= 1;

---

EMPLOYEE NAME

-----

AAA

---

EMPLOYEE NAME

-----

BBB

PL/SQL procedure successfully completed.

```
SQL> @"H:\PL SQL PROGRAMS\03_06_menu.sql"
```

- 
- | - 1. List names of all employees who work for Indian bank
  - | - 2. List names of managers and with cities and the company names where they work
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  - | - 8. Find names of employees who live in the same city as do their manager
- 

| - ENTER YOUR CHOICE: 2

old 55: choice:=&ch;

new 55: choice:= 2;

MANAGER NAME	CITY	COMPANY NAME
BBB	Kolkata	Indian bank

MANAGER NAME	CITY	COMPANY NAME
CCC	Durgapur	united bank

MANAGER NAME	CITY	COMPANY NAME
HHH	Burdwan	state bank

PL/SQL procedure successfully completed.

SQL> @"H:\PL SQL PROGRAMS\03\_06\_menu.sql"

- 
- | - 1. List names of all employees who work for Indian bank
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  - | - 7. Find names of employees who live in the same city as the company in which they work
  - | - 8. Find names of employees who live in the same city as do their manager

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| - ENTER YOUR CHOICE: 3

old 55: choice:=&ch;

new 55: choice:= 3;

---

EMPLOYEE NAME

---

HHH

PL/SQL procedure successfully completed.

SQL> @"H:\PL SQL PROGRAMS\03\_06\_menu.sql"

- 
- | - 1. List names of all employees who work for Indian bank
  - | - 2. List names of managers and with cities and the company names where they work
  - | - 3. List names of employees who earn more than every employee of united bank
  - | - 4. Find company name with largest payroll
  - | - 5. List names of all employees and their cities of residence who work in state bank
  - | - 6. Find employees of state bank of burdwan who earn more than Rs. 30000
  - | - 7. Find names of employees who live in the same city as the company in which they work
  - | - 8. Find names of employees who live in the same city as do their manager

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| - ENTER YOUR CHOICE: 4

old 55: choice:=&ch;

new 55: choice:= 4;

---

COMPANY NAME

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state bank

PL/SQL procedure successfully completed.

SQL> @"H:\PL SQL PROGRAMS\03\_06\_menu.sql"

- 
- | - 1. List names of all employees who work for Indian bank
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  - | - 3. List names of employees who earn more than every employee of united bank

| - 4. Find company name with largest payroll  
| - 5. List names of all employees and their cities of residence who work in state bank  
| - 6. Find employees of state bank of burdwan who earn more than Rs. 30000  
| - 7. Find names of employees who live in the same city as the company in which they work  
| - 8. Find names of employees who live in the same city as do their manager

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| - ENTER YOUR CHOICE: 5

old 55: choice:=&ch;

new 55: choice:= 5;

---

EMPLOYEE NAME CITY

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HHH Kolkata

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EMPLOYEE NAME CITY

-----

III Kolkata

PL/SQL procedure successfully completed.

SQL> @"H:\PL SQL PROGRAMS\03\_06\_menu.sql"

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| - 1. List names of all employees who work for Indian bank  
| - 2. List names of managers and with cities and the company names where they work  
| - 3. List names of employees who earn more than every employee of united bank  
| - 4. Find company name with largest payroll  
| - 5. List names of all employees and their cities of residence who work in state bank  
| - 6. Find employees of state bank of burdwan who earn more than Rs. 30000  
| - 7. Find names of employees who live in the same city as the company in which they work  
| - 8. Find names of employees who live in the same city as do their manager

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| - ENTER YOUR CHOICE: 6

old 55: choice:=&ch;

new 55: choice:= 6;

---

EMPLOYEE NAME

-----

HHH

PL/SQL procedure successfully completed.

SQL> @"H:\PL SQL PROGRAMS\03\_06\_menu.sql"

---

| - 1. List names of all employees who work for Indian bank  
| - 2. List names of managers and with cities and the company names where they work  
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| - 5. List names of all employees and their cities of residence who work in state bank  
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| - 8. Find names of employees who live in the same city as do their manager

---

| - ENTER YOUR CHOICE: 7

old 55: choice:=&ch;

new 55: choice:= 7;

---

EMPLOYEE NAME

-----

AAA

BBB

CCC

DDD

PL/SQL procedure successfully completed.

SQL> @"H:\PL SQL PROGRAMS\03\_06\_menu.sql"

- 
- 1. List names of all employees who work for Indian bank
  - 2. List names of managers and with cities and the company names where they work
  - 3. List names of employees who earn more than every employee of united bank
  - 4. Find company name with largest payroll
  - 5. List names of all employees and their cities of residence who work in state bank
  - 6. Find employees of state bank of burdwan who earn more than Rs. 30000
  - 7. Find names of employees who live in the same city as the company in which they work
  - 8. Find names of employees who live in the same city as do their manager

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| - ENTER YOUR CHOICE: 8  
old 55: choice:=&ch;  
new 55: choice:= 8;

---

EMPLOYEE NAME  
-----  
AAA  
DDD  
III

PL/SQL procedure successfully completed.

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