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Class: FYMCA

Roll No: 22

Div: A

Batch: A1

Assignment 09

Write an explicit cursor to

1. Display employees name, address, salary along with age category (young or old)
2. Display count of young and old employees

Ans: -

create table Employees(id int primary key, name varchar(30), address varchar(50), salary decimal(10,2),DOB date);
desc Employees;

Results Explain Describe Saved SQL History

Object Type TABLE Object EMPLOYEES

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEES	ID	NUMBER	22	-	0	1	-	-	-
	NAME	VARCHAR2	30	-	-	-	✓	-	-
	ADDRESS	VARCHAR2	50	-	-	-	✓	-	-
	SALARY	NUMBER	-	10	2	-	✓	-	-
	DOB	DATE	7	-	-	-	✓	-	-

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INSERT INTO employees VALUES(1, 'Vikas', 'khanadala', 50000, TO_DATE('1999-05-15', 'YYYY-MM-DD'));

INSERT INTO employees VALUES(2, 'Pravin', 'Nashik', 60000, TO_DATE('1997-08-21', 'YYYY-MM-DD'));

INSERT INTO employees VALUES(3, 'Yashodip', 'Vinchur', 55000, TO_DATE('1999-11-30', 'YYYY-MM-DD'));

INSERT INTO employees VALUES(4, 'Krushna', 'Vinchur', 52000, TO_DATE('2001-02-10', 'YYYY-MM-DD'));

INSERT INTO employees VALUES(5, 'Mahesh', 'Jalgaon', 48000, TO_DATE('1998-07-04', 'YYYY-MM-DD'));

Results	Explain	Describe	Saved SQL	History
ID	NAME	ADDRESS	SALARY	DOB
1	Vikas	khanadala	50000	05/15/1999
2	Pravin	Nashik	60000	08/21/1997
3	Yashodip	Vinchur	55000	11/30/1999
4	Krushna	Vinchur	52000	02/10/2001
5	Mahesh	Jalgaon	48000	07/04/1998

5 rows returned in 0.00 seconds [Download](#)

DECLARE

CURSOR emp_cursor IS

SELECT name, address, salary, TRUNC(MONTHS_BETWEEN(SYSDATE, DOB) / 12)

AS age

FROM Employees;

```

young_count NUMBER := 0;
old_count NUMBER := 0;
BEGIN
  FOR emp_rec IN emp_cursor LOOP
    DBMS_OUTPUT.PUT_LINE('Employee: ' || emp_rec.name || ', Address: ' ||
emp_rec.address || ', Salary: ' || emp_rec.salary || ', Age Category: ' ||
    CASE
      WHEN emp_rec.age < 30 THEN 'Young'
      ELSE 'Old'
    END);

    IF emp_rec.age < 30 THEN
      young_count := young_count + 1;
    ELSE
      old_count := old_count + 1;
    END IF;
  END LOOP;

  DBMS_OUTPUT.PUT_LINE('Number of Young Employees: ' || young_count);
  DBMS_OUTPUT.PUT_LINE('Number of Old Employees: ' || old_count);
END;
/

```

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Employee: Vikas, Address: khanadala, Salary: 50000, Age Category: Young
Employee: Pravin, Address: Nashik, Salary: 60000, Age Category: Young
Employee: Yashodip, Address: Vinchur, Salary: 55000, Age Category: Young
Employee: Krushna, Address: Vinchur, Salary: 52000, Age Category: Young
Employee: Mahesh, Address: Jalgaon, Salary: 48000, Age Category: Young
Number of Young Employees: 5
Number of Old Employees: 0

```

Statement processed.

0.00 seconds