

DEPARTMENT	
DEPARTMENT_ID	DEPARTMENT_NAME
1	HR
2	Finance
3	Engineering
4	Sales
5	Marketing
6	IT

EMPLOYEE					
EMP_ID	FIRST_NAME	LAST_NAME	DOB	GENDER	DEPARTMEN T
1	John	Williams	1980-05-15	Male	3
2	Sarah	Johnson	1990-07-20	Female	2
3	Michael	Smith	1985-02-10	Male	3
4	Emily	Brown	1992-11-30	Female	4
5	David	Jones	1988-09-05	Male	5
6	Olivia	Davis	1995-04-12	Female	1
7	James	Wilson	1983-03-25	Male	6
8	Sophia	Anderson	1991-08-17	Female	4
9	Liam	Miller	1979-12-01	Male	1
10	Emma	Taylor	1993-06-28	Female	5

PAYMENTS			
PAYMENT_ID	EMP_ID	AMOUNT	PAYMENT_TIME
1	2	65784.00	2025-01-01 13:44:12.824
2	4	62736.00	2025-01-06 18:36:37.892
3	1	69437.00	2025-01-01 10:19:21.563
4	3	67183.00	2025-01-02 17:21:57.341
5	2	66273.00	2025-02-01 11:49:15.764
6	5	71475.00	2025-01-01 07:24:14.453
7	1	70837.00	2025-02-03 19:11:31.553
8	6	69628.00	2025-01-02 10:41:15.113
9	4	71876.00	2025-02-01 12:16:47.807
10	3	70098.00	2025-02-03 10:11:17.341
11	6	67827.00	2025-02-02 19:21:27.753
12	5	69871.00	2025-02-05 17:54:17.453
13	2	72984.00	2025-03-05 09:37:35.974
14	1	67982.00	2025-03-01 06:09:51.983
15	6	70198.00	2025-03-02 10:34:35.753
16	4	74998.00	2025-03-02 09:27:26.162

There are three tables: -

1. **DEPARTMENT:** Contains details about the department.
  - o **DEPARTMENT\_ID** (Primary Key)
  - o **DEPARTMENT\_NAME**
2. **EMPLOYEE:** Contains employee details.
  - o **EMP\_ID** (Primary Key)
  - o **FIRST\_NAME**
  - o **LAST\_NAME**
  - o **DOB** (Date of Birth)
  - o **GENDER**
  - o **DEPARTMENT** (Foreign Key referencing DEPARTMENT\_ID in DEPARTMENT)
3. **PAYMENTS:** Contains salary payment records.
  - o **PAYMENT\_ID** (Primary Key)
  - o **EMP\_ID** (Foreign Key referencing EMP\_ID in EMPLOYEE)
  - o **AMOUNT** (Salary credited)
  - o **PAYMENT\_TIME** (Date and time of the transaction)

### Problem Statement:

You are required to calculate the number of employees who are younger than each employee, grouped by their respective departments. For each employee, return the count of employees in the same department whose age is less than theirs.

### Output Format:

- The output should contain the following columns:
  1. **EMP\_ID:** The ID of the employee.
  2. **FIRST\_NAME:** The first name of the employee.
  3. **LAST\_NAME:** The last name of the employee.
  4. **DEPARTMENT\_NAME:** The name of the department the employee belongs to.
  5. **YOUNGER\_EMPLOYEES\_COUNT:** The number of employees who are younger than the respective employee in their department.

The output should be ordered by employee ID in descending order.

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