

Table: Members

Column Name	Type
member_id	int
name	varchar

member\_id is the primary key column for this table.

Each row of this table indicates the name and the ID of a member.

Table: Visits

Column Name	Type
visit_id	int
member_id	int
visit_date	date

visit\_id is the primary key column for this table.

member\_id is a foreign key to member\_id from the Members table.

Each row of this table contains information about the date of a visit to the store and the member who visited.

Table: Purchases

Column Name	Type
visit_id	int
charged_amount	int

visit\_id is the primary key column for this table.

visit\_id is a foreign key to visit\_id from the Visits table.

Each row of this table contains information about the amount charged in a visit to the store.

A store wants to categorize its members. There are three tiers:

“**Diamond**”: if the conversion rate is **greater than or equal to 80**.

“**Gold**”: if the conversion rate is **greater than or equal to 50** and less than 80.

“Silver”: if the conversion rate is **less than** 50.

“Bronze”: if the member never visited the store.

The **conversion rate** of a member is (100 \* total number of purchases for the member) / total number of visits for the member.

Write an SQL query to report the id, the name, and the category of each member.

Return the result table in **any order**.

The query result format is in the following example.

Example 1:\*\*

Input:

Members table:

member_id	name
9	Alice
11	Bob
3	Winston
8	Hercy
1	Narihan

Visits table:

visit_id	member_id	visit_date
22	11	2021-10-28
16	11	2021-01-12
18	9	2021-12-10
19	3	2021-10-19
12	11	2021-03-01
17	8	2021-05-07
21	9	2021-05-12

Purchases table:

visit_id	charged_amount
12	2000
18	9000
17	7000

Output:

member_id	name	category
1	Narihan	Bronze
3	Winston	Silver
8	Hercy	Diamond
9	Alice	Gold
11	Bob	Silver

Explanation:

- User Narihan with id = 1 did not make any visits to the store. She gets a Bronze category.
- User Winston with id = 3 visited the store one time and did not purchase anything. The conversion is 0.
- User Hercy with id = 8 visited the store one time and purchased one time. The conversion is 1.
- User Alice with id = 9 visited the store two times and purchased one time. The conversion is 0.5.
- User Bob with id = 11 visited the store three times and purchased one time. The conversion is 0.33.