

Course Database

Jojo just landed an internship at his university. His first internship task is to design a basic database system that is capable of storing and retrieving course information.

Jojo will first be given the course code, name, and credits of N courses sequentially. Jojo's database system needs to answer Q queries $X_1, X_2, X_3, \dots, X_Q$. Each query needs to be answered by outputting the data of the X_i -th course.

Unfortunately, Jojo is very lazy. As a good friend of his, you need to help him finish this task in order to prevent Jojo's laziness from ending his internship prematurely!

Format Input

The first line contains a single integer N , the number of courses which Jojo will be given the data of. The next $3N$ lines contain the following, each in their own line:

- $Code_i$, the course code of the i -th course.
- $Name_i$, the name of the i -th course.
- $Credits_i$, the credit total of the i -th course.

The next line will contain a single integer Q , the number of queries Jojo needs to answer. Each of the next Q lines will contain a single integer X_i , the contents of each query as described in the problem statement.

Format Output

For each query, output "Query # i :" without quotes on the first line where i is the number of the query, then output the data of the X_i -th student using the following format:

Code: <Code> Name: <Name> Credits: <Credits>
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Constraints

- $1 \leq N, Q \leq 1000$
- $1 \leq |Code_i| \leq 8$
- $1 \leq |Name_i| \leq 100$
- $1 \leq Credits_i \leq 6$
- $Code_i$ contains only alphanumeric ASCII characters.
- $Name_i$ contains only alphanumeric ASCII characters and spaces.

Sample Input (standard input)

```
3
COMP6047
Algorithm and Programming
6
COMP6056
Program Design Methods
4
MATH6025
Discrete Mathematics
4
3
3
2
1
```

Sample Output (standard output)

```
Query #1:
Code: MATH6025
Name: Discrete Mathematics
Credits: 4
Query #2:
Code: COMP6056
Name: Program Design Methods
Credits: 4
Query #3:
Code: COMP6047
Name: Algorithm and Programming
Credits: 6
```

Course Database

Jojo baru saja lolos tes masuk untuk magang di kampusnya. Tugas magang pertamanya adalah untuk mendesain sebuah sistem database sederhana yang dapat menyimpan data-data mata kuliah untuk kemudian diambil.

Jojo akan diberikan kode, nama, dan jumlah SKS dari N mata kuliah secara sekuensial. Sistem database Jojo kemudian harus menjawab Q query $X_1, X_2, X_3, \dots, X_q$. Setiap query harus dijawab dengan cara mengoutputkan data dari mata kuliah ke- X_i .

Sayangnya, Jojo merupakan orang yang sangat malas. Sebagai teman baiknya, kamu tentunya harus membantu Jojo menyelesaikan tugas ini agar masa magang Jojo tidak berakhir sebelum waktunya.

Format Input

Baris pertama berisi sebuah bilangan bulat N , jumlah mata kuliah yang akan diberikan datanya kepada Jojo. $3N$ baris berikutnya berisi seperti berikut dengan setiap poin di barisnya sendiri:

- $Code_i$, kode dari mata kuliah ke- i .
- $Name_i$, nama dari mata kuliah ke- i .
- $Credits_i$, jumlah SKS dari mata kuliah ke- i .

Baris berikutnya kemudian akan berisi sebuah bilangan bulat Q , jumlah query yang harus Jojo jawab. Masing-masing dari Q baris berikutnya akan berisi sebuah bilangan bulat X_i , isi dari setiap query seperti yang sudah dijelaskan di soal.

Format Output

Untuk setiap query, output “Query # i :” tanpa kutip di baris pertama dimana i merupakan nomor query, kemudian output data dari mahasiswa ke- X_i dengan format berikut:

Code: <Code> Name: <Name> Credits: <Credits>
--

Constraints

- $1 \leq N, Q \leq 1000$
- $1 \leq |Code_i| \leq 8$
- $1 \leq |Name_i| \leq 100$
- $1 \leq Credits_i \leq 6$
- $Code_i$ hanya akan berisi karakter ASCII alfanumerik.
- $Name_i$ hanya akan berisi karakter ASCII alfanumerik dan spasi.

Sample Input (standard input)

```
3
COMP6047
Algorithm and Programming
6
COMP6056
Program Design Methods
4
MATH6025
Discrete Mathematics
4
3
3
2
1
```

Sample Output (standard output)

```
Query #1:
Code: MATH6025
Name: Discrete Mathematics
Credits: 4
Query #2:
Code: COMP6056
Name: Program Design Methods
Credits: 4
Query #3:
Code: COMP6047
Name: Algorithm and Programming
Credits: 6
```