Verify Student ID Number (Updated)

There are eight faculties who offer degrees for undergraduade in PSTU.

1. Faculty of Agriculture

2. Faculty of Computer Science and Engineering

3. Faculty of Business Administration and Management

4. Faculty of Animal Science and Veterinary Medicine

5. Faculty of Fisheries

6. Faculty of Disaster Management

7. Faculty of Nutrition and Food Science

8. Faculty of Land Management and Administration

The Student ID number represent first two digit as session of admission. next two digit as number of faculty.

Now Read ID no. and Find the Session and Faculty. And check it's validity.

Input Format

It contain 7 digit of Integer. **N**

Constraints

0101001 <= N <= 9908999

Output Format

Print the Session & Name of Faculty. **To maintain Session format as yyyy-yy we have return to 00 against yy.** If doesn't match any valid information Print

```
Invalid ID!
```

Sample Input 0

```
1602001
```

Sample Output 0

```
Session: 2016-17
Faculty: Computer Science and Engineering
```

Explanation 0

First two digit **16** that means **2016-17** session. Next two digit **02** that means Faculty of **Computer Science and Engineering**.

Sample Input 1

```
1609057
```

Sample Output 1

Invalid ID!

Explanation 1

09 is not a valid faculty.