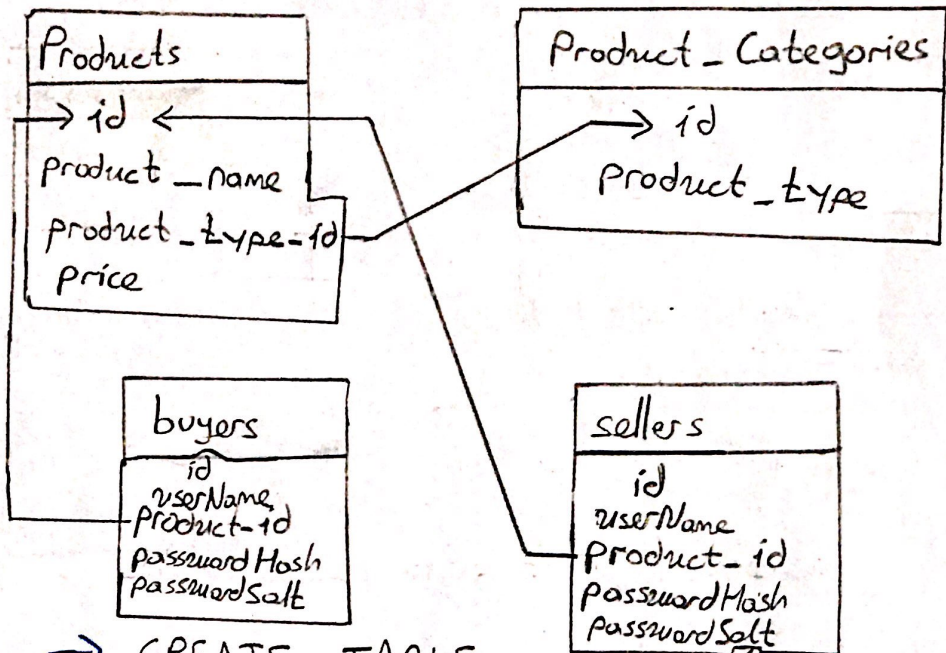


## - Tables :



→ CREATE TABLE products (  
 id INT AUTO-INCREMENT PRIMARY-KEY,  
 product\_name VARCHAR(100),  
 product\_type-id INT, → price INT NOT NULL,  
 FOREIGN KEY (product\_type-id) REFERENCES  
 product-Categories (id)  
 );

→ CREATE TABLE product-Categories (  
 id INT AUTO-INCREMENT PRIMARY-KEY,  
 product\_type VARCHAR(100)  
 );

→ CREATE TABLE buyers (

id INT AUTO-INCREMENT PRIMARY KEY,

userName VARCHAR(100) NOT NULL,

passwordHash BLOB NOT NULL,

passwordSalt BLOB NOT NULL,

product\_id INT,

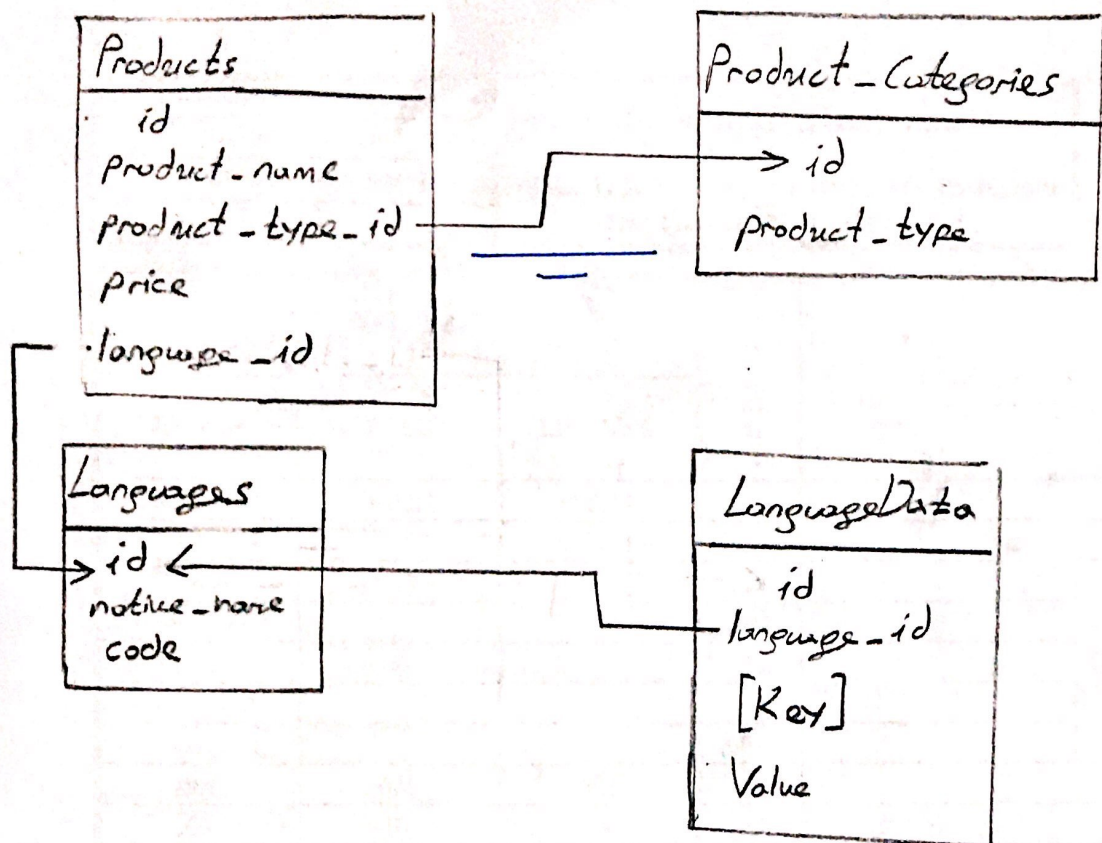
FOREIGN KEY (product\_id) REFERENCES products (id)  
);

→ CREATE TABLE sellers (

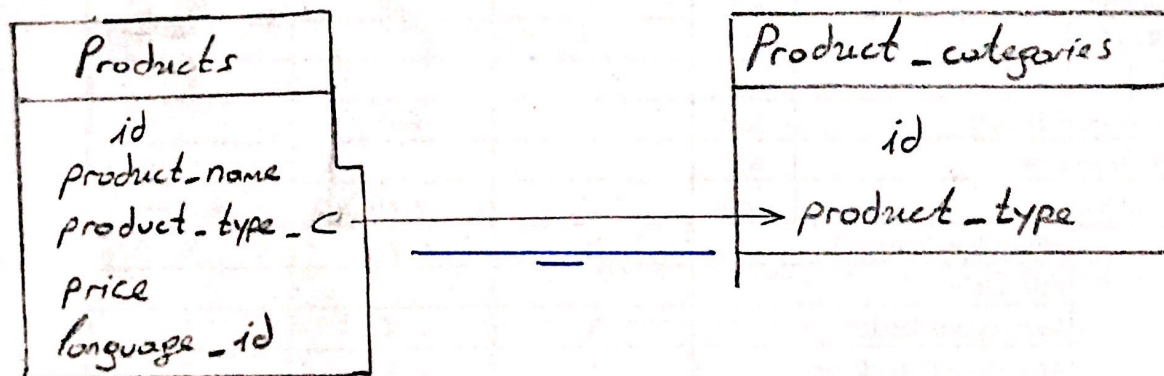
SAME with "buyers"

);





\*



- What is the best approach for multi-language?

ref\_languages

code char(2) Not Null, PRIMARY KEY  
name nvarchar(20) Not Null

products

id INT IDENTITY, NOT NULL, PRIMARY KEY  
product\_category\_id INT, NOT NULL, FOREIGN KEY

product\_translations

product\_id INT, NOT NULL, FOREIGN KEY  
language\_code char(2), NOT NULL, FOREIGN KEY  
description NVARCHAR(100), NOT NULL

product\_categories

id INT IDENTITY, NOT NULL, PRIMARY KEY

product\_category\_translations

product\_category\_id INT, NOT NULL, FOREIGN KEY  
language\_code char(2), NOT NULL, FOREIGN KEY  
description NVARCHAR(100), NOT NULL



→  
INSERT INTO [dbo].[ref-language] ([code], [name])  
VALUES ('en', 'english'),  
('tr', 'turkish')

→

product
id INT IDENTITY, NOT NULL, PRIMARY KEY
product_type_id INT, NOT NULL, FOREIGN KEY

→ Products:

1. iphone 5s type: 1
2. Crime and Punishment type: 2
3. Logitech G230 type: 1
4. mp3 Player type: 1
5. Bird Seed (1kg) type: 3

→ product categories:

1. Electronics
2. Books
3. Pet Supplies

→ INSERT INTO [dbo].[product-categories] DEFAULT VALUES  
↳ three times

```
→ INSERT INTO [dbo].[products] ([product-category-id])  
VALUES (1),  
        (2),  
        (1),  
        (1),  
        (3)
```

```
→ INSERT INTO [dbo].[product-category-translations]  
([product-category-id], [language-code], [description])
```

```
VALUES (1, 'en', 'Electronics'),  
        (1, 'tr', 'Elektronik Ürünler'),  
        (2, 'en', 'Books'),  
        (2, 'tr', 'Kitaplar'),  
        (3, 'en', 'Pet Supplies'),  
        (3, 'tr', 'Hayvan Ürünleri')
```

```
→ INSERT INTO [dbo].[product-translations]  
([product-id], [language-code], [description])
```

```
VALUES (1, 'en', 'iPhone 5s'),  
        (1, 'tr', 'iPhone 5s'),  
        (2, 'en', 'Crime and Punishment'),  
        (2, 'tr', 'Suç ve Ceza'),  
        (3, 'en', 'Logitech G230 Headphone'),  
        (3, 'tr', 'Logitech G230 Kulaklık'),  
        (4, 'en', 'mp3 Player'),  
        (4, 'tr', 'mp3 oynatıcı'),  
        (5, 'en', 'Bird Seed (1kg)'),  
        (5, 'tr', 'Kuş Yemi (1kg)')
```

ProductsController.cs =>  
[HttpGet("{id}")]

```
public ActionResult<Product> GetUser(int id)
{
    ...
}
```

app-users

id int, PRIMARY KEY, IDENTITY

username nvarchar(50)

password-hash nvarchar(MAX) => BLOB

password-salt nvarchar(MAX) => BLOB

} Not Null