

1. قم بعمل برنامج يقوم بعرض معلومات جهات الاتصال التالية بالشكل التالي

Make a program that print contacts info in the following form

```
contacts = [('Mohamed Gouda', '+1-555-555-5555',  
'mohamedgouda@example.com'), ('Amira Abdelrahman', '+1-555-555-  
5556', 'amiraabdelrahman@example.com'), ('Abdullah Othman',  
'+1-555-555-5557', 'abdullahothman@example.com'), ('Ahmed  
Saeed', '+1-555-555-5558', 'ahmedsaeed@example.com'), ('Saleh  
Abdelhamid', '+1-555-555-5559', 'salehabdelhamid@example.com'),  
( 'Fatima Ali', '+1-555-555-5560', 'fatimaali@example.com'),  
( 'Omar Hasan', '+1-555-555-5561', 'omarhasan@example.com'),  
( 'Aisha Ahmed', '+1-555-555-5562', 'aishaahmed@example.com'),  
( 'Karim Hassan', '+1-555-555-5563', 'karimhassan@example.com')]
```

```
-----  
Name: Aisha Ahmed  
Phone Number: +1-555-555-5562  
Email Address: aishaahmed@example.com  
-----  
Name: Karim Hassan  
Phone Number: +1-555-555-5563  
Email Address: karimhassan@example.com  
-----
```

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2. قم بعمل برنامج يقوم بطباعة القوائم التالية بالشكل التالي

Make a program that produce the following output.

```
grocery_names = ["apple", "banana", "orange", "grapes",  
"tomato", "potato", "milk", "bread", "butter"]  
grocery_prices = [0.99, 0.5, 0.75, 2.99, 1.49, 0.99, 3.99,  
2.49, 4.99]
```

```
Grocery List:  
Item          Price  
-----  
apple         $0.99  
banana        $0.50  
orange        $0.75  
grapes        $2.99  
tomato        $1.49  
potato        $0.99  
milk          $3.99  
bread         $2.49  
butter        $4.99
```

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3. قم بعمل برنامج يتفاعل مع المستخدم بالشكل التالي باستخدام
جهات الاتصال التالية

Make the following program.

```
contacts = [  
    ("Mohamed Gouda", "+1-555-555-5555",  
"mohamedgouda@example.com"),  
    ("Amira Abdelrahman", "+1-555-555-5556",  
"amiraabdelrahman@example.com"),  
    ("Abdullah Othman", "+1-555-555-5557",  
"abdullahothman@example.com"),  
    ("Ahmed Saeed", "+1-555-555-5558",  
"ahmedsaeed@example.com"),  
    ("Saleh Abdelhamid", "+1-555-555-5559",  
"salehabdelhamid@example.com"),  
    ("Fatima Ali", "+1-555-555-5560", "fatimaali@example.com"),  
    ("Omar Hasan", "+1-555-555-5561", "omarhasan@example.com"),  
    ("Aisha Ahmed", "+1-555-555-5562",  
"aishaahmed@example.com"),  
    ("Karim Hassan", "+1-555-555-5563",  
"karimhassan@example.com")  
]
```

{//}

Welcome to the phonebook application!

1. Add a contact
2. Update a contact
3. Search for a contact
4. Quit

Enter your choice: 1

Enter name: codezilla

Enter phone number: 123456789

Enter email: codezilla@codezilla.com

Contact added successfully.

Welcome to the phonebook application!

1. Add a contact
2. Update a contact
3. Search for a contact
4. Quit

Enter your choice: █

Enter email: codezilla@codezilla.com

Contact added successfully.

Welcome to the phonebook application!

1. Add a contact
2. Update a contact
3. Search for a contact
4. Quit

Enter your choice: 2

Enter name of the contact you want to update: mohamed gouda

Enter new phone number: 12479565965

Enter new email: mohamed_gouda@codezilla.com

Contact updated successfully.

Welcome to the phonebook application!

1. Add a contact
2. Update a contact
3. Search for a contact
4. Quit

Enter your choice: █

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{//}

```
-----  
Welcome to the phonebook application!  
1. Add a contact  
2. Update a contact  
3. Search for a contact  
4. Quit  
Enter your choice: 3  
Enter name of the contact you want to search: codezilla  
Name: codezilla  
Phone number: 123456789  
Email: codezilla@codezilla.com  
-----  
Welcome to the phonebook application!  
1. Add a contact  
2. Update a contact  
3. Search for a contact  
4. Quit  
Enter your choice: █
```

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4. قم بعمل برنامج يتيح للمستخدم البحث عن دولة ما أو عاصمة

داخل الدول التالية ثم يقوم بطباعة البيانات التالية

Make a program that allow the user to enter a country name and capital to search for then show the following information

```
countries = [('Palestine', 'Al-Quds', 'Asia', 'Arabic', 5000000), ('Algeria', 'Algiers', 'Africa', 'Arabic', 42000000), ('Bahrain', 'Manama', 'Asia', 'Arabic', 1700000), ('Comoros', 'Moroni', 'Africa', 'Arabic', 800000), ('Djibouti', 'Djibouti', 'Africa', 'Arabic', 900000), ('Egypt', 'Cairo', 'Africa', 'Arabic', 100000000), ('Iraq', 'Baghdad', 'Asia', 'Arabic', 40000000), ('Jordan', 'Amman', 'Asia', 'Arabic', 10000000), ('Kuwait', 'Kuwait City', 'Asia', 'Arabic', 4000000), ('Lebanon', 'Beirut', 'Asia', 'Arabic', 6000000), ('Libya', 'Tripoli', 'Africa', 'Arabic', 7000000), ('Morocco', 'Rabat', 'Africa', 'Arabic', 35000000), ('Oman', 'Muscat', 'Asia', 'Arabic', 5000000), ('Qatar', 'Doha', 'Asia', 'Arabic', 2700000), ('Saudi Arabia', 'Riyadh', 'Asia', 'Arabic', 34000000), ('Sudan', 'Khartoum', 'Africa', 'Arabic', 43000000), ('Syria', 'Damascus', 'Asia', 'Arabic', 17000000), ('Tunisia', 'Tunis', 'Africa', 'Arabic', 11000000), ('United Arab Emirates', 'Abu Dhabi', 'Asia', 'Arabic', 10000000), ('Yemen', 'Sana'a', 'Asia', 'Arabic', 29000000), ('Indonesia', 'Jakarta', 'Asia', 'Indonesian', 2700000000), ('Pakistan', 'Islamabad', 'Asia', 'Urdu', 2200000000), ('Bangladesh', 'Dhaka', 'Asia', 'Bengali', 1600000000), ('Turkey', 'Ankara', 'Europe/Asia', 'Turkish', 80000000), ('Iran', 'Tehran', 'Asia', 'Persian', 83000000), ('Malaysia', 'Kuala Lumpur', 'Asia', 'Malaysian', 32000000), ('Nigeria', 'Abuja', 'Africa', 'English', 200000000), ('Ethiopia', 'Addis Ababa', 'Africa', 'Amharic', 11000000), ('Albania', 'Tirana', 'Europe', 'Albanian', 2877797), ('Andorra', 'Andorra la Vella', 'Europe', 'Catalan', 77006), ('Austria', 'Vienna', 'Europe', 'German', 8955102), ('Belarus',
```

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```
'Minsk', 'Europe', 'Belarusian', 9449323), ('Belgium', 'Brussels', 'Europe',
'Dutch, French, German', 11519193), ('Bosnia and Herzegovina', 'Sarajevo',
'Europe', 'Bosnian, Serbian, Croatian', 3280819), ('Bulgaria', 'Sofia',
'Europe', 'Bulgarian', 6948445), ('Croatia', 'Zagreb', 'Europe', 'Croatian',
4105267), ('Cyprus', 'Nicosia', 'Europe', 'Greek, Turkish', 1189265), ('Czech
Republic', 'Prague', 'Europe', 'Czech', 10618303), ('Denmark', 'Copenhagen',
'Europe', 'Danish', 5792202), ('Estonia', 'Tallinn', 'Europe', 'Estonian',
1324333), ('Finland', 'Helsinki', 'Europe', 'Finnish, Swedish', 5540720),
('France', 'Paris', 'Europe', 'French', 67102172), ('Germany', 'Berlin',
'Europe', 'German', 82979224), ('Greece', 'Athens', 'Europe', 'Greek',
10423054), ('Hungary', 'Budapest', 'Europe', 'Hungarian', 9769526),
('Iceland', 'Reykjavik', 'Europe', 'Icelandic', 341243), ('Ireland',
'Dublin', 'Europe', 'English, Irish', 4761657), ('Italy', 'Rome', 'Europe',
'Italian', 60461826), ('Kosovo', 'Pristina', 'Europe', 'Albanian, Serbian',
1800000), ('Latvia', 'Riga', 'Europe', 'Latvian', 1886198), ('Liechtenstein',
'Vaduz', 'Europe', 'German', 38375), ('Lithuania', 'Vilnius', 'Europe',
'Lithuanian', 2722289), ('Luxembourg', 'Luxembourg', 'Europe',
'Luxembourgish, French, German', 625978), ('Malta', 'Valletta', 'Europe',
'Maltese, English', 514000), ('Moldova', 'Chisinau', 'Europe', 'Romanian',
2883300), ('Monaco', 'Monaco', 'Europe', 'French', 39242), ('Montenegro',
'Podgorica', 'Europe', 'Montenegrin', 621810), ('Netherlands', 'Amsterdam',
'Europe', 'Dutch', 17231017), ('North Macedonia', 'Skopje', 'Europe',
'Macedonian', 2083374), ('Canada', 'Ottawa', 'North America', 'English,
French', 38550000), ('United States', 'Washington, D.C.', 'North America',
'English', 329000000), ('Mexico', 'Mexico City', 'North America', 'Spanish',
130750000), ('Brazil', 'Brasília', 'South America', 'Portuguese', 211200000),
('Argentina', 'Buenos Aires', 'South America', 'Spanish', 44480000),
('Colombia', 'Bogotá', 'South America', 'Spanish', 50370000), ('Peru',
'Lima', 'South America', 'Spanish', 32160000), ('Venezuela', 'Caracas',
'South America', 'Spanish', 28200000)]
```

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```
Enter a country name or capital to search: cairo
```

```
Here are the results:
```

```
-----
```

```
Country: Egypt
```

```
Capital: Cairo
```

```
Continent: Africa
```

```
Language: Arabic
```

```
Population: 100,000,000
```

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