

1. سوف نقوم في هذا المشروع بعمل برنامج يساعد في إدارة محلات الملابس حيث يقوم بعرض بيانات المنتج التي يدخلها المستخدم كما يلي

Make a clothes shop program that interacts with the user like the following

```
Enter the product name (Press Enter to Exit): hat
Product: Hat
Price: 50
Quantity: 8
Enter the product name (Press Enter to Exit): codezilla
Product: Codezilla
Price: Not Available
Quantity: Not Available
Enter the product name (Press Enter to Exit): socks
Product: Socks
Price: 25
Quantity: 7
Enter the product name (Press Enter to Exit):
Thanks for Choosing Codezilla!
```

```
{//}
```

```
products = {  
  "T-Shirt": {"price": 300, "quantity": 10},  
  "Shirt": {"price": 250, "quantity": 20},  
  "Pants": {"price": 300, "quantity": 15},  
  "Shoes": {"price": 400, "quantity": 5},  
  "Socks": {"price": 25, "quantity": 7},  
  "Hat": {"price": 50, "quantity": 8},  
  "Gloves": {"price": 50, "quantity": 10},  
  "Sweater": {"price": 500, "quantity": 20},  
  "Jacket": {"price": 900, "quantity": 15},  
  "Coat": {"price": 1000, "quantity": 5},  
  "Scarf": {"price": 110, "quantity": 2},  
}
```

{codezi//a}

{//}

2. قم بعمل برنامج يقوم بعرض بيانات المرضى داخل مستشفى  
كما يلي

Make a program that show patient data in a hospital  
like the following

```
Enter the patient name (Press Enter to Exit): hossam yehia
Patient: Hossam Yehia
Age: 40
Disease: ACL
Room: 4
Enter the patient name (Press Enter to Exit): codezilla
Patient: Codezilla
Age: Not Available
Disease: Not Available
Room: Not Available
Enter the patient name (Press Enter to Exit): mohamed hassan
Patient: Mohamed Hassan
Age: 25
Disease: Cough
Room: 1
Enter the patient name (Press Enter to Exit):
```

{codezi//a}

{//}

```
patients = {  
  "Mohamed Hassan": {"age": 25, "disease": "Cough", "room": 1},  
  "Ahmed Kamal": {"age": 30, "disease": "Sore Throat", "room": 2},  
  "Ali Adel": {"age": 35, "disease": "Arm Fracture", "room": 3},  
  "Hossam Yehia": {"age": 40, "disease": "ACL", "room": 4}  
}
```

{codezi//a}

3. جاء أحد عملائنا كي يطلب منا مساعدته في حل مشكلته، حيث إنه مسؤول عن إدارة صيدلية وكثيرا ما يأتيه المريض بوصفة من الطبيب تحتوي على أكثر من دواء، لذلك يريد العميل بدلا من أن يدخل اسم كل دواء بمفرده كي يحصل على بياناته، أن يتمكن من إدخال مجموعة من الأدوية مرة واحدة كما يلي

Make a program for a pharmacy like the following

```
Enter the treatment names seperated by comma (Press Enter to Exit): panadol, codezilla, zinc, vitamin c
Item: Panadol
Price: 25
Quantity: 10
-----
Item: Codezilla
Price: Not Available
Quantity: Not Available
-----
Item: Zinc
Price: 15
Quantity: 20
-----
Item: Vitamin C
Price: 20
Quantity: 15
-----
```

{//}

```
inventory = {"Paracetamol": {"price":25, "quantity":10},
             "Aspirin": {"price":15, "quantity":20},
             "Ibuprofen": {"price":20, "quantity":15},
             "Cough Syrup": {"price":30, "quantity":5},
             "Augmentin": {"price":100, "quantity":7},
             "Amoxicillin": {"price":80, "quantity":8},
             "Panadol": {"price":25, "quantity":10},
             "Zinc": {"price":15, "quantity":20},
             "Vitamin C": {"price":20, "quantity":15},
             "Fucidin": {"price":30, "quantity":5},
             "Kolanog": {"price":100, "quantity":2},
             }
```

{codezi//a}

{//}

4. قم بعمل برنامج يقوم بالبحث عن بيانات طالب داخل مدرسة ثم يقوم بعرضها كما يلي

Make a program that search for a student and print his information like the following

```
Enter student name: ali adel
Student: Ali Adel
Math: 85
English: 83
Science: 87
Arabic: 100
History: 90
```

```
Enter student name: codezilla
Student: Codezilla
No grades available
```

{codezi//a}

```
{//}
```

```
students = {  
  "Mohamed Hassan": {"grades": {  
    "math": 100,  
    "english": 90,  
    "science": 80,  
    "arabic": 100,  
    "history": 97}  
  },  
  "Ahmed Kamal": {"grades": {  
    "math": 100,  
    "english": 95,  
    "science": 93,  
    "arabic": 100,  
    "history": 94}  
  },  
  "Ali Adel": {"grades": {  
    "math": 85,  
    "english": 83,  
    "science": 87,  
    "arabic": 100,  
    "history": 90}  
  },  
  "Hossam Yehia": {"grades": {  
    "math": 100,  
    "english": 94,  
    "science": 98,  
    "arabic": 100,  
    "history": 100}  
  }  
}
```

{codezi//a}