

1. قم بعمل برنامج يمكن المسؤول عن الصيدلية البحث عن  
بيانات الدواء بالشكل التالي

Make a program that allow the user to search for  
treatment information.

```
Enter treatment name (Press Enter to Exit): codezilla
Not Available
Enter treatment name (Press Enter to Exit): python
Not Available
Enter treatment name (Press Enter to Exit): panadol
Item: Panadol
Price: 25
Quantity: 10
Enter treatment name (Press Enter to Exit):
```

```
# available treatments
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},
             }
```

{//}

إذا لم توفق للوصول للحل يمكنك السعي مرة أخرى بمساعدة  
الخطوات التالية

```
# get the user input  
  
# if the user pressed enter  
  
# get item information from the dictionary  
  
# print the item information
```

{codezi//a}

```
{//}
```

```
while True:
    # get the user input
    user_input = input("Enter treatment name \
                        (Press Enter to Exit): ").title()

    # if the user pressed enter
    if user_input == "":
        break

    # get item information from the dictionary
    item = inventory.get(user_input, "Not Available")

    # print the item information
    if item != "Not Available":
        print(f"Item: {user_input}")
        print(f"Price: {item['price']}")
        print(f"Quantity: {item['quantity']}")
    else:
        print(item)
```

{codezi//a}

{//}

2. قم بعمل برنامج يقوم بعرض بيانات الموظفين كما يلي

Make a program that show employee information like the following.

```
Enter the employee name (Press Enter to Exit): codezilla
Not Available
Enter the employee name (Press Enter to Exit): ali adel
Employee: Ali Adel
Age: 35
Salary: 7000
Department: IT
Enter the employee name (Press Enter to Exit):
```

```
employees = {
    "Mohamed Hassan": {"age": 25, "salary": 5000, "department":
"HR"},
    "Ahmed Kamal": {"age": 30, "salary": 6000, "department":
"IT"},
    "Ali Adel": {"age": 35, "salary": 7000, "department":
"IT"},
    "Hossam Yehia": {"age": 40, "salary": 8000, "department":
"IT"}
}
```

{codezi//a}

{//}

إذا لم توفق للوصول للحل يمكنك السعي مرة أخرى بمساعدة  
الخطوات التالية

```
# get the user input  
  
# if the user pressed enter  
  
# get employee information from the dictionary  
  
# print the employee information
```

{codezi//a}

```
{//}
```

```
while True:
    # get the user input
    user_input = input("Enter the employee name \
                        (Press Enter to Exit): ").title()

    # if the user pressed enter
    if user_input == "":
        break

    # get employee information from the dictionary
    employee = employees.get(user_input, "Not Available")

    # print the employee information
    if employee != "Not Available":
        print(f"Employee: {user_input}")
        for key, value in employee.items():
            print(f"{key.title()}: {value}")
    else:
        print(employee)
```

{codezi//a}

{//}

3. بعد انتهاء الفصل الدراسي يحتاج الطلاب لمعرفة درجاتهم،  
وحفاظا على خصوصية الطلاب قررنا في مدرسة كودزिला  
عرض بيانات الطالب فقط إذا قام بإدخال اسمه وكلمة المرور  
الخاصة به بشكل صحيح كما يلي

Make a program for codezilla students that allow the students to know their grades only if they entered their name and password correctly like the following.

```
Enter the student name (Press Enter to Exit): hossam yehia
Enter the password: 123
Wrong Password or Student Name
Enter the student name (Press Enter to Exit): hossam yehia
Enter the password: 33
Student: Hossam Yehia
Grades:
-----
Math: 100
English: 94
Science: 98
Arabic: 100
History: 100
-----
Student Percentage: 98.40%
Enter the student name (Press Enter to Exit):
```

{codezi//a}

{//}

إذا لم توفق للوصول للحل يمكنك السعي مرة أخرى بمساعدة  
الخطوات التالية

```
# get the user input  
  
# if the user pressed enter  
  
# get the password  
  
# get student information from the dictionary  
  
# print the student information
```

{codezi//a}



{//}

```
while True:
    # get the user input
    user_input = input("Enter the student name \
(Press Enter to Exit): ").title()

    # if the user pressed enter
    if user_input == "":
        break
    # get the password
    password = input("Enter the password: ")

    # get student information from the dictionary
    student = students.get(user_input, "Not Available")

    # print the student information
    if student != "Not Available" and student["Password"] == password:
        print(f"Student: {user_input}")
        print("Grades:")
        print("-----")
        for subject, grade in student["grades"].items():
            print(f"{subject.title():} {grade}")

        print("-----")
        average_grades = sum(student["grades"].values()) / len(student["grades"])
        print(f"Student Percentage: {average_grades:.2f}%")
    else:
        print("Wrong Password or Student Name")
```

{codezi//a}

4. قم بعمل برنامج يحصل من مسؤول الصيدلية على عدد من الأدوية يفصل بينها coma كما يلي، ثم يقوم بطباعة بيانات كل دواء منهم، وإذا كان هذا الدواء غير متوفر يقوم بإخبار المستخدم بذلك حيث سيتفاعل معه كالتالي

Make a program that takes a list of treatments separated by comma and print the price of each treatment and if the treatment is not available inform the user.

```
Enter the names of treatments separated by a comma (Press Enter to Exit):
panadol, kolanog, zinc, nasacort
-----
Panadol: 32
Kolanog: Not Available
Zinc: 20
Nasacort: Not Available
```

{//}

إذا لم توفق للوصول للحل يمكنك السعي مرة أخرى بمساعدة  
الخطوات التالية

```
# if the treatment is not available inform the user

# get the user input

# make a list of the treatments

# empty dictionary to store the treatments and their prices

# loop over the list of treatments

# get the treatment information from the dictionary

# print the treatments and their prices
```

{codezi//a}

{//}

```
1 # get the user input
2 user_input = input("Enter the names of treatments separated by a comma \
3                     (Press Enter to Exit):\n").strip().lower()
4 print("-"*20)
5
6
7 # make a list of the treatments
8 treatments = user_input.split(", ")
9
10 # empty dictionary to store the treatments and their prices
11 treatments_prices = {}
12
13
14 # loop over the list of treatments
15 for treatment in treatments:
16     # get the treatment information from the dictionary
17     treatments_prices[treatment] = pharmacy_prices.setdefault(treatment,
18     "Not Available")
19
20 # print the treatments and their prices
21 for treatment, price in treatments_prices.items():
22     print(f"{treatment.title(): {price}")
```

{codezi//a}