

```

pdct = {1 : {'Product_name':'Bread',
            'Product_category' : 'baked food',
            'Quantity_instock' : 50,
            'Price_unit' : 45,
            'Expiry_date' : '4-days from manufacture date'},

2 : {'Product_name':'Cakes',
      'Product_category' : 'baked food',
      'Quantity_instock' : 50,
      'Price_unit' : 80,
      'Expiry_date' : '5-days from manufacture date'},

3 : {'Product_name':'Jam',
      'Product_category' : 'baked food',
      'Quantity_instock' : 20,
      'Price_unit' : 40,
      'Expiry_date' : '1 month from manufacture date'},

4 : {'Product_name':'Samosa',
      'Product_category' : 'baked food',
      'Quantity_instock' : 65,
      'Price_unit' : 20,
      'Expiry_date' : '1-day from manufacture date'},

5 : {'Product_name':'cookies',
      'Product_category' : 'baked food',
      'Quantity_instock' : 50,
      'Price_unit' : 15,
      'Expiry_date' : '7-days from manufacture date'},

6 : {'Product_name':'Drinks',
      'Product_category' : 'baked food',
      'Quantity_instock' : 75,
      'Price_unit' : 25,
      'Expiry_date' : '6 months from manufacture date'},

7 : {'Product_name':'Ice-cream ',
      'Product_category' : 'baked food',
      'Quantity_instock' : 80,
      'Price_unit' : 45,
      'Expiry_date' : '6-months from manufacture date'},

8 : {'Product_name':'Biscuits',
      'Product_category' : 'baked food',
      'Quantity_instock' : 250,
      'Price_unit' : 10,
      'Expiry_date' : '7-days from manufacture date'},

9 : {'Product_name':'Flour',
      'Product_category' : 'baked food',
      'Quantity_instock' : 30,
      'Price_unit' : 75,
      'Expiry_date' : '3-months from manufacture date'},

10 : {'Product_name':'Almonds',
       'Product_category' : 'baked food',
       'Quantity_instock' : 150,
       'Price_unit' : 180,
       'Expiry_date' : '1-month from manufacture date'},

11 : {'Product_name':'Soda',
       'Product_category' : 'baked food',
       'Quantity_instock' : 75,
       'Price_unit' : 35,
       'Expiry_date' : '6-months from manufacture date'},

12 : {'Product_name':'Pista',
       'Product_category' : 'baked food',
       'Quantity_instock' : 150,
       'Price_unit' : 280,
       'Expiry_date' : '3-months from manufacture date'}}

```

## ✓ **DISPLAY INVENTORY**

```
print('-'*30)
for key in (pdct):
    print("Product Name      :", pdct[key]['Product_name'])
    print("Product_category :", pdct[key]['Product_category'])
    print("Quantity_instock :", pdct[key]['Quantity_instock'])
    print("Price_unit       :", pdct[key]['Price_unit'])
    print("Expiry_date      :", pdct[key]['Expiry_date'])
    print('-'*30)
```

```
-----
Product Name      : Bread
Product_category  : baked food
Quantity_instock  : 50
Price_unit        : 45
Expiry_date       : 4-days from manufacture date
-----
Product Name      : Cakes
Product_category  : baked food
Quantity_instock  : 50
Price_unit        : 80
Expiry_date       : 5-days from manufacture date
-----
Product Name      : Jam
Product_category  : baked food
Quantity_instock  : 20
Price_unit        : 40
Expiry_date       : 1 month from manufacture date
-----
Product Name      : Samosa
Product_category  : baked food
Quantity_instock  : 65
Price_unit        : 20
Expiry_date       : 1-day from manufacture date
-----
Product Name      : cookies
Product_category  : baked food
Quantity_instock  : 50
Price_unit        : 15
Expiry_date       : 7-days from manufacture date
-----
Product Name      : Drinks
Product_category  : baked food
Quantity_instock  : 75
Price_unit        : 25
Expiry_date       : 6 months from manufacture date
-----
Product Name      : Ice-cream
Product_category  : baked food
Quantity_instock  : 80
Price_unit        : 45
Expiry_date       : 6-months from manufacture date
-----
Product Name      : Biscuits
Product_category  : baked food
Quantity_instock  : 250
Price_unit        : 10
Expiry_date       : 7-days from manufacture date
-----
Product Name      : Flour
Product_category  : baked food
Quantity_instock  : 30
Price_unit        : 75
Expiry_date       : 3-months from manufacture date
-----
Product Name      : Almonds
Product_category  : baked food
Quantity_instock  : 150
```

## ✓ **SEARCH FOR PRODUCT**

```

Product_ID = int(input('Enter the ID of Product '))
print('-'*30)
if Product_ID in pdct:
    print("Product Name      :", pdct[Product_ID]['Product_name'])
    print("Product_category :", pdct[Product_ID]['Product_category'])
    print("Quantity_instock :", pdct[Product_ID]['Quantity_instock'])
    print("Price_unit       :", pdct[Product_ID]['Price_unit'])
    print("Expiry_date      :", pdct[Product_ID]['Expiry_date'])
else:
    print("Product ID not found in the dictionary.")
print('-'*30)

```

```

Enter the ID of Product 11
-----
Product Name      : Soda
Product_category  : baked food
Quantity_instock  : 75
Price_unit        : 35
Expiry_date       : 6-months from manufacture date
-----

```

```

product_name = str(input('Enter the Name of Product '))
print('-'*30)
if product_name in pdct:
    print("Product Name      :", pdct[product_name])
    print("Product_category :", pdct[product_name])
    print("Quantity_instock :", pdct[product_name])
    print("Price_unit       :", pdct[product_name])
    print("Expiry_date      :", pdct[product_name])
print('-'*30)

```

## ✓ **ADD PRODUCTS**

```

Product_ID      = int(input('Product ID:'))
Product_name     = str(input('Product Name:'))
Product_category = str(input('Product Category:'))
Quantity_instock = int(input('Quantity in Stock:'))
Price_unit       = str(input('Price per Unit:'))
Expiry_date      = str(input('Expiry Date:'))
temp = {}
temp['Product_ID']      = Product_ID
temp['Product_name']    = Product_name
temp['Product_category'] = Product_category
temp['Quantity_instock'] = Quantity_instock
temp['Price_unit']      = Price_unit
temp['Expiry_date']     = Expiry_date
pdct[Product_ID] = temp

```

## ✓ **UPDATE INVENTORY**

```

Product_ID = int(input('Enter the ID of Product '))
print('-'*30)
product_name     = str(input('Product Name:'))
product_category = str(input('Product Category:'))
quantity_instock = int(input('Quantity in Stock:'))
price_unit       = str(input('Price per Unit:'))
expiry_date      = str(input('Expiry Date:'))

for Product_id in pdct:
    pdct[Product_id]['Product_name'] = product_name
    pdct[Product_id]['Product_category'] = product_category
    pdct[Product_id]['Quantity_instock'] = quantity_instock
    pdct[Product_id]['Price_unit'] = price_unit
    pdct[Product_id]['Expiry_date'] = expiry_date

print('-'*30)

```

