

K.RAMAKRISHNAN
COLLEGE OF TECHNOLOGY
(AN AUTONOMOUS INSTITUTION)
SAMAYAPURAM, TRICHY-621 112

Practical Record Note

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Programme :

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No: 1

COURSE: Python Programming - I Year - II Sem - Project Module
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CodeTantra

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Certified that this is a bonafide record of work done by

NISHAR AHAMED S of

Semester in **Python Programming - I Year - II Sem - Project**

Module Laboratory during the academic year 2023-2024

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Date:

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Date:

Aim:

Project Module.

Program:

CTP28132.py

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```

-----SUPERMARKET MANAGEMENT SYSTEM-----
items = []
while True:
    display = input('Press enter to continue.')
    print('-----Welcome to the supermarket-----')
    print('1. View items\n2. Add items for sale\n3. Purchase items\n4. Search
items \n5. Edit items\n6. Exit')
    choice = input('Enter the number of your choice : ')

    if choice == '1' :
        print('-----View Items-----')
        print('The number of items in the inventory are : ',len(items))
        while len(items) != 0:
            print('Here are all the items available in the supermarket.')
            for item in items:
                for key, value in item.items():
                    print(key, ':', value)
            break

    elif choice == '2' :
        print('-----Add items-----')
        print('To add an item fill in the form')
        # while True:
        #     try:
        #         number_items = int(input('Enter the number of items you want to
add in the inventory : '))
        #         break
        #     except ValueError:
        #         print('Number of items should only be in digits')
        # for num in range(number_items):
        item = {}
        item['name'] = input('Item name : ')
        while True:
            try:
                item['quantity'] = int(input('Item quantity : '))
                break
            except ValueError:
                print('Quantity should only be in digits')
        while True:
            try:
                item['price'] = int(input('Price $ : '))
                break
            except ValueError:
                print('Price should only be in digits')
        print('Item has been successfully added.')
        items.append(item)

    elif choice == '3' :
        print('-----purchase items-----')
        print(items)
        purchase_item = input('which item do you want to purchase? Enter name :
')
        for item in items:
            if purchase_item.lower() == item['name'].lower() :
                if item['quantity'] != 0 :
                    print('Pay ', item['price'] , 'at checkout counter.')
                    item['quantity'] -= 1

```

```

        else:
            print('item out of stock.')

    elif choice == '4' :
        print('-----search items-----')
        find_item = input('Enter the item\'s name to search in inventory : ')
        for item in items:
            if item['name'].lower() == find_item.lower():
                print('The item named ' + find_item + ' is displayed below with
its details')
                print(item)
            else:
                print('item not found.')

    elif choice == '5' :
        print('-----edit items-----')
        item_name = input('Enter the name of the item that you want to edit : ')
        for item in items:
            if item_name.lower() == item['name'].lower():
                print('Here are the current details of ' + item_name)
                print(item)
                item['name'] = input('Item name : ')
                while True:
                    try:
                        item['quantity'] = int(input('Item quantity : '))
                        break
                    except ValueError:
                        print('Quantity should only be in digits')
                while True:
                    try:
                        item['price'] = int(input('Price $ : '))
                        break
                    except ValueError:
                        print('Price should only be in digits')
                print('Item has been successfully updated.')
                print(item)
            else:
                print('Item not found')

    elif choice == '6' :
        print('-----exited-----')
        break

    else:
        print('You entered an invalid option')

```

Output:

Test case - 1

User Output

Hello World

Hello World

Result:

Thus the above program is executed successfully and the output has been verified

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