**FILE HANDLING – CSV**

**QUESTION:**

Write a program to enter the following records in a binary file: ItemNo Integer, Item\_Name string and Price integer in the form of a dictionary. The number of records to be entered should be accepted from the user.

Include the following functions:

* Add records
* Read and display records
* Search records
* Update records
* Count records
* Delete records

**CODE:**

import csv

def add\_record(*itemno*, *itemname*, *price*):

    with open('item.csv', 'a', *newline*= '') as a:

        writer = csv.writer(a)

        writer.writerow([itemno, itemname, price])

def read():

    with open('item.csv', 'r') as a:

        reader = csv.reader(a)

        print(list(reader))

def count():

    count = 0

    with open('item.csv', 'r') as a:

        reader = csv.reader(a)

        for i in reader:

            count += 1

    print(count)

def search(*param*):

    with open('item.csv', 'r') as a:

        reader = csv.reader(a)

        check = False

        for i in reader:

            if i[0] == param:

                print(i)

                check = True

        if not check:

            print('Item not found')

while True:

    choice = input('1. Add record\n2. Read\n3. Search\n4. Count\n5. Exit \nEnter your choice:')

    if choice == '1':

        itemno = input('Enter item number: ')

        itemname = input('Enter item name: ')

        price = input('Enter price: ')

        add\_record(itemno, itemname, price)

    elif choice == '2':

        read()

    elif choice == '3':

        search(input('Enter item number: '))

    elif choice == '4':

        count()

    elif choice == '5':

        break

    else:

        print('Invalid choice')

    choice = input('Do you want to continue? (y/n)')

    if choice == 'n':

        break

**OUTPUT**:

1. Add record

2. Read

3. Search

4. Count

5. Exit

Enter your choice:1

Enter item number: 1

Enter item name: Ball

Enter price: 12

Do you want to continue? (y/n)y

1. Add record

2. Read

3. Search

4. Count

5. Exit

Enter your choice:2

[['1', 'Ball', '12']]

Do you want to continue? (y/n)y

1. Add record

2. Read

3. Search

4. Count

5. Exit

Enter your choice:3

Enter item number: 1

['1', 'Ball', '12']

Do you want to continue? (y/n)y

1. Add record

2. Read

3. Search

4. Count

5. Exit

Enter your choice:4

1

Do you want to continue? (y/n)y

1. Add record

2. Read

3. Search

4. Count

5. Exit

Enter your choice:5