BINARY FILES

SEARCH

UPDATE

AND

DELETE

ACCESSING INDIVIDUAL ELEMENTS OF A FILE

From a nested list L with two elements, individual elements of the list can be accessed by their index.

Eg:

L= [[7201,"Abhishek",89], [7202,"Balaram",67]]

for I in L:

　　　print(L[0])

OUTPUT:

7201

7202

SEACHING FOR A RECORD

```python
def BSearch():
    B= open("Studrec.dat","rb")
    stud= pickle.load(B)
    rno = int(input("Enter the rollno to be searched"))
    found=0
    for i in stud:
        if i[0]==rno:
            print("Record found successfully")
            print(i)
            found=1
    if found==0:
        print("Record not found")
    B.close()
BSearch()
OUTPUT:
Enter the rollno to be searched7201
Record found successfully
[7201, 'Akash', 89]
```

UPDATING A RECORD

- Read the record
- Search for the particular record
- Make the corrections
- Write the record in file

Example

```
import pickle
def BUpdate():
    B= open("Studrec.dat","rb+")
    stud= pickle.load(B)
    rno = int(input("Enter the rollno to be updated"))
    found=0
    for i in stud:
        if i[0]==rno:
            print("Current record", i)
            i[2]= int(input("Enter the new mark"))
            print("Updated the record ", i, "successfully")
            found=1
            break
    if found==0:
        print("Record not found")
    else:
        B.seek(0)
        pickle.dump(stud,B)
    B.close()
BUpdate()
```

DELETE A RECORD

- Read the record
- Search for the record to be deleted
- Append all the records in new list except the record to be deleted
- Write the records

Example

```python
import pickle
def Bdelete():
    F= open("studrec.dat","rb")
    stud = pickle.load(F)
    F.close()
    print(stud)
    rno= int(input("Enter the roll number to be deleted"))
    F= open("studrec.dat","wb")
    rec= []
    for i in stud:
        if i[0] == rno:
            continue
        rec.append(i)
    pickle.dump(rec,F)
    F.close()
Bdelete()
```

Output

[[7201, 'Akash', 45], [7202, 'Lakshmi', 67], [7203, 'Manisha', 90]]

Enter the roll number to be deleted7202

[[7201, 'Akash', 45], [7203, 'Manisha', 90]]