

Practical sample Question Paper for 2023-24

Subject: Computer Science(083)

Class 12

Time: 3:00 Hours

Max. Marks: 30

Q – 1 a) Write a menu driven program to perform the following operations into a binary file shoes.dat.

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1. Add record
2. Display records
3. Search record
4. Exit

The structure of file content is: [s_id, name, brand, type, price]

b) Observe the following tables customers and orders and write queries given below:

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Table - Customer

CustomerID	CustomerName	City	MobileNo
C111	Abhishek	Ahmedabad	9999999999
C132	Bhavik	Anand	7799779977
C135	Chandani	Baroda	8856895485
C145	Dhara	Ahmedabad	7456879652
C121	Divya	Anand	9015123569

Table - Order

OrderID	OrderDate	OrderAmt	CustomerID
O111	2022-04-15	1500	C111
O112	2022-05-20	1800	C121
O113	2022-05-31	1000	C199
O131	2022-06-12	1400	C135

- (i) Display CustomerID, CustomerName and bill amount for customers belongs to Ahmedabad.
- (ii) Display the order details in descending order of amount.
- (iii) Display OrderId, Orderdate , customername and mobileno of customers whose name ends with 'k' and name contains letter 'h'.
- (iv) Display the sum of order amount for each city.

Q – 2 Practical Report File

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Q – 3 Project

8

Q – 4 Viva Voce

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Answer:-1 .a.)

```
import pickle
```

```
l=[ ]
```

```
found=0
```

```
def add_rec():  
    f=open("shoes.dat","ab")  
    s_id=int(input("Enter Shoes ID:"))  
    nm=input("Enter Name:")  
    br=input("Enter Brand:")  
    ty=input("Enter Type:")  
    pr=int(input("Enter Price:"))  
    l=[s_id,nm,br,ty,pr]  
    pickle.dump(l,f)  
    print("Record Added....")  
    f.close()
```

```
def dis_rec():  
    f=open("shoes.dat","rb")  
    while True:  
        try:  
            l=pickle.load(f)  
            print(l)  
        except EOFError:  
            f.close()  
            break
```

```
def search_record():  
    f=open("shoes.dat","rb")  
    s_id=int(input("Enter Shoe ID:"))  
    found=0  
    try:  
        while True:  
            l=pickle.load(f)  
            if l[0]==s_id:  
                found=1  
  
                print("Record Found...",l)  
                break  
    except:  
        else:
```

```

        found=0
except EOFError:
    if found==0:
        print("Record Not Found...")
    f.close()

while True:
    print("""
1. Add Record
2. Display Record
3. Search Record
4. Exit
""")
    ch=int(input("Enter your choice:"))
    if ch==1:
        add_rec()
    elif ch==2:
        dis_rec()
    elif ch==3:
        search_record()
    elif ch==4:
        break
    else:
        print("Invalid Choice")Ans-1.) b.)

```

(i) Display CustomerID, CustomerName and bill amount for customers belonging to Ahmedabad.

Ans.: select customerid, customername, orderamt from customer, order where customer.customerid = order.customerid and city='ahmedabad';

(ii) Display the order details in descending order of amount

Ans.: select * from order order by orderamt desc;

(iii) Display OrderId, Orderdate , customername and mobileno of customers whose name ends with 'k' and name contains letter 'h'

Ans.: select orderid, orderdate, customername, mobileno from customer, order where customer.customerid = order.customerid and (customername like '%k' or customername like '%h%');
(iv) Display the sum of order amount for each city

Ans.: select city,sum(orderamt) from customer,order where customer.customerid = order.customerid group by city;