

## **Reports and Labels in FoxPro DBMS**

FoxPro provides powerful tools to generate Reports and Labels from database tables. These are mainly used for printing formatted output of data stored in tables.

### **Report in FoxPro**

A Report in FoxPro is a formatted presentation of data from a table or query, used for printing summaries, lists, invoices, mark sheets, salary sheets, etc.

It allows grouping, sorting, totals, headings, and page formatting.

### **Purpose of Report:**

1. To print structured data
2. To generate summaries (Total, Average, Count)
3. To display grouped information
4. To create official documents (Result sheet, Bill, Salary report)

### **Steps to Create a Report:**

1. Open the database table

```
USE BCA_Student
```

2. Create report file

```
CREATE REPORT BCASStudentRep
```

3. Report Designer window opens:
  - I. Add fields (Name, Roll, Marks, etc.)
  - II. Set headings
  - III. Add totals if needed
  - IV. Save the report
4. Run the report

REPORT FORM BCASStudentRep PREVIEW

or

REPORT FORM BCASStudentRep TO PRINT

### **Example:**

If we have a Student table:

| <b>Roll</b> | <b>Name</b> | <b>Marks</b> |
|-------------|-------------|--------------|
| 1           | Ali         | 450          |
| 2           | Sahil       | 470          |

A report can display:

Student Result Report

Roll Name Marks

1 Amit 450

2 Riya 470

Total Students: 2

### **Label in FoxPro**

A Label in FoxPro is used to print small formatted outputs such as address labels, name tags, envelopes, etc.

Labels print one record at a time in a small formatted space.

### **Purpose of Label:**

1. Printing address slips
2. Printing name tags
3. Printing ID labels
4. Printing envelope addresses

## Steps to Create Label:

1. Open the table

```
USE BCA_Student
```

2. Create label

```
CREATE LABEL BCASStudentlab
```

3. Label Designer opens:

- I. Select label size
- II. Add fields (Name, Address, etc.)
- III. Save the label

4. Print label

```
LABEL FORM BCASStudentlab PREVIEW
```

or

```
LABEL FORM BCASStudentlab TO PRINT
```

## Example:

If table contains:

| Name  | Address      |
|-------|--------------|
| Ali   | Patna, Bihar |
| Sahil | Ara, Bihar   |

Label Output:

Ali

Patna, Bihar

## Difference between Report and Label

| <b>Report</b>                         | <b>Label</b>                      |
|---------------------------------------|-----------------------------------|
| Used for detailed formatted printing  | Used for small formatted printing |
| Can include totals and grouping       | Generally no totals               |
| Used for result sheets, salary sheets | Used for address slips            |