LESSON -1

1. Create a database file with your name with the following structure.

FIELD NAME	TYPE	WIDTH	DECIMAL
EMPNO	Character	4	
NAME	Character	10	
DEPT	Character	4	
DESIG	Character	4	
BASIC	Numeric	8	2

2. Add the following records to the above created file.

EMPNO	NAME	DEPT	DESIG	BASIC
A001	BHASKER	ACCT	MGR	6000
A002	SUMIT	MKTG	EXEC	4500
A003	ASHOK	PERS	ASST	4000
A004	ANAND	TECH	MGR	5000

3. a) Display all the records with LIST & BROWSE COMMAND.

   b) Display all the records with DISPLAY command.

   c) Display all the records except the record nos.

4. a) Add the given record to the above created file with APPEND command.

EMPNO	NAME	DEPT	DESIG	BASIC
A005	ANIL	TECH	MGR	4500
A006	SANJAY	PERS	EXEC	5000

   b) Display all records with NAME and DEPT fields.

5. Display only the 4th record.

6. Close the above created .DBF file and erase the database file.

LESSON - 2

1.   Create a Database file with your name with the following Structure.

FIELD	TYPE	WIDTH
ROLLNO	Character	3
NAME	Character	10
PHY	Numeric	3
CHEM	Numeric	3
MATH	Numeric	3

2.   Add the following records to the above created file.

ROLLNO	NAME	PHY	CHEM	MATH
1	AMIT	56	50	50
2	ASHIM	85	75	98
3	RITA	60	67	59
4	REEMA	45	50	56
5	BIPLAB	67	58	62
6	JOYEETA	58	80	74

3.   MODIFY the above structure and insert the following New fields:-

FIELD	TYPE	WIDTH	DECIMAL
TOTAL	Numeric	3	0
AVERAGE	Numeric	6	2

4.   Calculate the value of TOTAL & AVERAGE fields with related command.

5.   a)   Display only NAME of those students who are getting more than 60 in PHY.

      b)   Display the records who are getting more than 60 in MATH and more than 180 in TOTAL.

      c)   Display the records of those persons whose name is not AMIT.

6.   Change of RITA'S MATH Marks with 75 (using EDIT Command).

7.   Change the NAME with SAMAR whose Record No. 1 and 5.

8.   Edit the records of above database with EDIT command to change the content of NAME field, to ADITYA whose ROLLNO is 2.

9.   a)   Delete the 2nd and 5th record.

      b)   List only the deleted records.

      c)   Recall only Record No. 5

      d)   Permanent Delete the Record No. 2

10.   Close the above database file and erase the database file.

LESSON – 3

1. Create a database file with your name with the following structure.

FIELD NAME	TYPE	WIDTH	DECIMAL
EMPNO	Character	4	
NAME	Character	10	
DOB	Date	8	
DEPT	Character	4	
DESIG	Character	4	
BASIC	Numeric	8	2

2. Add the following records to the above created file.

EMPNO	NAME	DOB	DEPT	DESIG	BASIC
A001	MITRA	02/01/87	ACCT	MGR	6000
A002	SUMIT	05/25/85	MKTG	EXEC	5500
A003	ASHOK	10/02/75	PERS	ASST	4000
A004	ANAND	07/15/78	TECH	MGR	5000
A005	REENA	01/26/79	TECH	MGR	6200

3. a) Display all the records in which NAME begin with the character "A".

   b) Display the records of those persons whose DESIG is MGR and DEPT is TECH.

   c) List the records of only NAME field whose DEPT is ACCT and DEPT is PERS.

   d) Display the NAME & DESIG of all employees except TECH Department

   e) Display the records of those employees whose NAME does not begin with "A" and whose BASIC is between 5000 and 6000.

4. Display the Summation & Average Value of the BASIC field.

5. a) Change the Name SUMIT TO DIPAK whose EMPNO is A002 by a single command.

   b) Change the DOB as 07/25/82 whose name is ANAND.

   c) Replace the data of BASIC field with 10000 of those persons whose DOB is greater than 05/25/80 by a single command

6. a) Change the DATE format to BRITISH type and view the records.

   b) Change the DATE format to ITALIAN type and view the records.

   c) Change the DATE format to AMERICAN type and view the records.

LESSON – 4

1. Create a database file with your name with the following Structure:-

FIELD NAME	TYPE	WIDTH	DECIMAL
EMPNO	Character	4	
NAME	Character	10	
DEPT	Character	4	
DESIG	Character	4	
BASIC	Numeric	8	2

2. Add the following records to the above created file.

EMPNO	NAME	DEPT	DESIG	BASIC
A001	MITRA	TECH	MGR	6000
A002	SUMIT	MKTG	EXEC	4500
A003	ASHOK	TECH	ASST	4000
A004	ANAND	ACCT	MGR	5000
A005	REENA	PERS	MGR	6000
A006	ALOK	ACCT	ASST	3500

3.   a)   Index the above database on DEPT field in ascending order

b)   Display the records.

c)   Index on NAME in Descending Order, Display all records

d)   Index on BASIC in Descending Order, Display all records.

4.   a)   Sort the above database in Ascending order based on NAME field and Display the records in sorted order.

b)   Sort the above database in Descending order based on DESIG field and displays the records in sorted order.

5. Create a Report using Report Wizard with following options:-(ANY STYLE)

FIELDS	SORT ON	DATA GROUP	SUMMARY
NAME	NAME	ON DEPT	ON BASIC
DEPT			SUM,AVG
DESIG			
BASIC			

6. Display the records in Report Format whose BASIC is >5000

7. Display the records in Report Format whose Designation is MGR.

LESSON – 5

1. **Create a database file with your name with the following structure.**

FIELD NAME	TYPE	WIDTH	DECIMAL
EMPNO	Character	4	
NAME	Character	10	
ADDRESS	Character	25	
CITY	Character	12	
PIN	Character	6	

2. **Add the following records to the above created file.**

EMPNO	NAME	ADDRESS	CITY	PIN
A001	MITRA	12, A.J.C. BOSE RD.	KOLKATA	700014
A002	SUMIT	32/A, JHILL RD.	HOWRAH	711132
A003	ASHOK	10/A/B D.P.P RD	KOLKATA	700047
A004	ANAND	BL-4, FL-16,SELIMPUR	KOLKATA	700091
A005	SUMIT	240, M.B RD.	HOWRAH	711156

3. **Create a LABEL as given below using Label Wizard against the above database file. (SORT ON NAME, COLUMN = 2)**

EMPNO	**:**
NAME	**:**
ADDRESS	**:**
CITY	**:**

4. **View the Label file.**

5. **View the Label file whose names are SUMIT**

6. **View the Label file whose CITY is KOLKATA**

LESSON – 6

1. **Create a databse of the following structure :-**

Fields	Type	Width	Decimal
ProdId	Character	2	
ProdName	Character	10	
Uom	Character	3	
Rate	Numeric	5	0
Qty	Numeric	3	0
Value	Numeric	9	2

2. **Add the following records: -**

ProdId	ProdName	Uom	Rate	Qty
1	Television	Pcs	4500	10
2	Fan	Pcs	650	15
3	Vcd	Box	15	50
4	Heater	Pcs	200	30

3. **Calculate the Value of all Products.**

4. **Create a form using Form Wizard with the following specifications: -**

Fields	Form Style	Button Type	Sort on
ProdId	Embossed	Text Buttons	ProdId
ProdName			
Uom			
Rate			
Qty			
Value			

5. **Save the form in your name.**

   Run the form and add the following records: -

ProdId	ProdName	Uom	Rate	Qty
5	Oven	Pcs	5000	10
6	Tube	Pcs	40	100

6. **Using the form delete the ProdId = 2 & Exit from FORM.**

7. **Recalculate all Values.**

SWASTICK YOUTH COMPUTER TRAINING CENTRE
(A Government of West Bengal Initative Under the Directorate of Youth Services)

Village- Paschim Sridharpur, Post - Gurudaspur, P.S. - Dholahat, Dist-24Pgs DFAS-S2

Block-Patharpratima, Pin-743349, Contact No. 9733600064

LESSON – 7

1. Create a database file using following fields :-

Field name	Type	Width	Decimal
NAME	Character	20	
DEPT	Character	4	
DESIG	Character	4	
BASIC	Numeric	8	2
DA	Numeric	8	2
HRA	Numeric	8	2
GROSS	Numeric	8	2
PF	Numeric	8	2
ESI	Numeric	8	2
NET_SALARY	Numeric	8	2

2. Now, Input the following data :-

NAME	DEPT	DESIG	BASIC
SUMIT ROY	MKTG	EXEC	4500
AMIT DEY	TECH	MGR	5000
BIBHAS PAL	PERS	ASST	3200
PRADIP SEN	ACCT	EXEC	4000
DIPAK DAS	MKTG	MGR	4500
RAJIB DUTTA	PERS	MGR	5200
ARUP DEY	TECH	ASST	3000

3.   Calculate the followings with the given formula :-

DA	=	50 % of BASIC
HRA	=	10 % of BASIC
GROSS	=	BASIC + DA + HRA
PF	=	12 % of BASIC
ESI	=	1.75% of BASIC
NET_SALARY	=	GROSS – (PF + ESI)

SWASTICK YOUTH COMPUTER TRAINING CENTRE
(A Government of West Bengal Initative Under the Directorate of Youth Services)

Village- Paschim Sridharpur, Post - Gurudaspur, P.S. - Dholahat, Dist-24Pgs

Block-Patharpratima, Pin-743349, Contact No. 9733600064

DFAS-S2

4.   **Create the following <u>Pay Slip</u> of each Employee using Report Wizard: -**

   Apply the following options on the Report Wizard: -

   1. **Style – Executive.**
   2. **Rows (Field list).**
   3. **Index should be on Name field.**

5.   **Display Report for all Employees.**

6.   **Modify the Report in the given format mentioned below:-**

<table>
<tr><td colspan="2" align="center">ABC LIMITED
KOLKATA

<div align="right">13/06/2008</div></td></tr>
<tr><td>Name</td><td>:</td></tr>
<tr><td>Department</td><td>:</td></tr>
<tr><td>Designation</td><td>:</td></tr>
<tr><td>Basic Salary</td><td>:</td></tr>
<tr><td>DA</td><td>:</td></tr>
<tr><td>HRA</td><td>:</td></tr>
<tr><td>Gross Salary</td><td>:</td></tr>
<tr><td>Less: PF</td><td>:</td></tr>
<tr><td>Less: ESI</td><td>:</td></tr>
<tr><td>Net Pay</td><td>:</td></tr>
</table>

7. **Display Report for all Employees.**

8. **Display the Pay slip in Report Format whose name is 'AMIT DEY'.**