

# SWASTICK YOUTH COMPUTER TRAINING CENTRE

(A Government of West Bengal Initiative Under the Directorate of Youth Services)

Village- Paschim Sridharpur, Post - Gurudaspur, P.S. - Dholahat, Dist-24Pgs(S), IT FOXPRO

Block-Patharpratima, Pin-743349, Contact No. 9733600064/7718553373

## Lesson – 1

1. Create the following Table with Your First Name and insert the following data in table: -

<u>FIELD NAME</u>	<u>TYPE</u>	<u>WIDTH</u>	<u>DECIMAL</u>
EMPNO	Character	4	
NAME	Character	15	
DEPT	Character	4	
DESIG	Character	4	
BASIC	Numeric	8	2

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

<u>EMPNO</u>	<u>NAME</u>	<u>DEPT</u>	<u>DESIG</u>	<u>BASIC</u>
A001	AKASH	ACCT	MGR	6000
A002	MILIND	MKTG	EXEC	4500
A003	SHEHNAZ	PERS	ASST	4000
A004	IQBAL	TECH	MGR	5000

3. Display all records with LIST command.
4. Display all records with DISPLAY command.
5. Display all records except the record no.
6. Add the following record to the above created file with APPEND Command.

<u>EMPNO</u>	<u>NAME</u>	<u>DEPT</u>	<u>DESIG</u>	<u>BASIC</u>
A005	SUMAN	TECH	MGR	5500

7. Display only NAME and DEPT fields.
8. Display only the 4<sup>th</sup> record.
9. Display the 2<sup>nd</sup> record using GOTO - DISPLAY command.
10. 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.

<u>FIELD NAME</u>	<u>TYPE</u>	<u>WIDTH</u>	<u>DECIMAL</u>
ROLLNO	Numeric	3	
NAME	Character	10	
PHY	Numeric	3	
CHEM	Numeric	3	
MATH	Numeric	3	

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

<u>ROLLNO</u>	<u>NAME</u>	<u>PHY</u>	<u>CHEM</u>	<u>MATH</u>
1	RAKESH	80	75	90
2	MOUMITA	56	50	50
3	SHAMIM	60	67	59
4	RANITA	45	58	56

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3. Modify the above structure and insert a new field **TOTAL** with field type **Numeric** and field width **4**.
4. Calculate the TOTAL with Command.
5. Display only NAME of those students who are getting more than 60 in PHY.
6. Display records who are getting more than 60 in MATH and more than 160 in TOTAL.
7. Display records of those persons whose name is not RANITA.
8. Display records of those persons whose ROLLNO. is 2 and 4.
9. Edit records of above database with EDIT command to change the content of NAME Filed, SHAMIM to IRFAN who`s ROLLNO is 3.
10. Change of MOUMITA`s MATH Marks with 75 ( using EDIT Command.)

## Lesson – 3

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

<u>FIELD NAME</u>	<u>TYPE</u>	<u>WIDTH</u>	<u>DECIMAL</u>
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.

<u>EMPNO</u>	<u>NAME</u>	<u>DOB</u>	<u>DEPT</u>	<u>DESIG</u>	<u>BASIC</u>
E001	NIKITA	02/01/1987	ACCT	MGR	6000
E002	AKSHAY	05/25/1985	MKTG	EXCE	4500
E003	RANJIT	10/02/1965	PERS	ASST	4000
E004	VICKY	07/15/1970	TECH	MGR	5000
E005	SRABONTI	01/26/1972	TECH	MGR	6000

3. Increase the data of BASIC filed with 20% to those persons DOB is greater than 12/25/1970.
4. Display the summation of the BASIC filed.
5. Display records of those persons whose DESIG is MGR and DEPT is TECH.
6. Display only NAME filed whose DEPT is ACCT and DEPT is PERS.
7. Display NAME and DOB of the employees whose BASIC is more than 5500.
8. Change the DOB format to BRITISH type and view the records.
9. Change the DOB format to ITALIAN type and view the records.
10. Change the DOB format to AMERICAN type and view the records.
11. Delete the 2<sup>nd</sup> and 5<sup>th</sup> record.
12. Display only the deleted records.
13. Recall all the deleted records and display records.
14. Delete the 3<sup>rd</sup> record permanently and display records.
15. Close the above Database file.

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## Lesson – 4

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

<u>FIELD NAME</u>	<u>TYPE</u>	<u>WIDTH</u>	<u>DECIMAL</u>
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.

<u>EMPNO</u>	<u>NAME</u>	<u>DEPT</u>	<u>DESIG</u>	<u>BASIC</u>
E001	NIKITA	ACCT	MGR	6000
E002	AKSHAY	MKTG	EXEC	4500
E003	RANJIT	PERS	ASST	4000
E004	VICKY	TECH	MGR	5000
E005	SRABONTI	TECH	MGR	6000

3. Index the above database on DESIG filed in Ascending order and display records.
4. Index the above database in Descending order based on BASIC filed and display records.
5. Sort the above database in Descending order based on DESIG field and display records.
6. Sort the above database in Descending order based on BASIC filed and display records.
7. Sort the above database in Ascending order based on NAME file and display records.
8. Close the above Database file.

## Lesson – 5

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

<u>FIELD NAME</u>	<u>TYPE</u>	<u>WIDTH</u>	<u>DECIMAL</u>
EMPNO	Character	4	
NAME	Character	12	
ADDRESS	Character	28	
PIN	Character	10	

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

<u>EMPNO</u>	<u>NAME</u>	<u>ADDRESS</u>	<u>PIN</u>
A001	NRIPEN DAS	MADHYAM GRAM, 24 PGS(N)	700014
A002	JEET GANGULY	32/A, KALIGHAT.	700032
A003	GOPAL ROY	PRIVATE RD, DUMDUM	700091
A004	PRAKASH JANA	240 M.B. RD.	700056

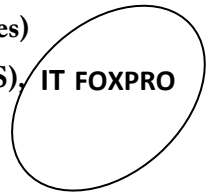
3. Create a LABEL file of the above database.
4. View the LABEL file.
5. View the LABEL file whose name is GOPAL ROY.
6. Create a Form on the above database.

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7. Now display the Form.
8. Close the above Database file.

## Lesson – 6

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

<u>FIELD NAME</u>	<u>TYPE</u>	<u>WIDTH</u>	<u>DECIMAL</u>
SID	Character	5	
SNAME	Character	10	
SEM1	Numeric	3	
SEM2	Numeric	3	
SEM3	Numeric	3	
SEM4	Numeric	3	
TOTAL	Numeric	3	
PERCENTAGE	Numeric	5	2
GRADE	Character	5	

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

<u>SID</u>	<u>SNAME</u>	<u>SEM1</u>	<u>SEM2</u>	<u>SEM3</u>	<u>SEM4</u>
S001	JISHU	76	70	65	75
S002	MEHRUN	92	89	88	99
S003	MITHUN	50	65	42	41
S004	RANBIR	98	99	92	93
S005	SOHAM	65	75	80	91

3. Now Calculate the Total with command.
4. Now Calculate the Percentage of each record with command.
5. Now Calculate the GRADE as per following instruction:-

<u>GRADE</u>	<u>PERCENTAGE</u>
INVALID	Above 100%
A	80% & Above
B	60% to 79%
C	50% to 59%
D	40% to 49%
FAIL	Below 40%

6. Create a Report on the above database and give a Report Title.
7. Now display the Report for all student.
8. Now, give a Report Heading "**STUDENT MARKSHEET**" and change the field heading SEM1, SEM2, SEM3, SEM4, PERCENTAGE AS **SEMESTER1, SEMESTER2, SEMESTER3, SEMESTER4** and **AVERAGE**. Make the Heading Bold, Underline and Change the Color of the Headings.
9. Now Display the Report.
10. Display the Report for those students whose **AVERAGE Marks is above 75**.
11. Display the Report only for "**A**" **GRADE** students.