

**DBMS**

**DA-2**



**ER DIAGRAM**

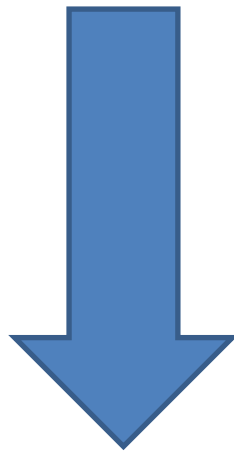
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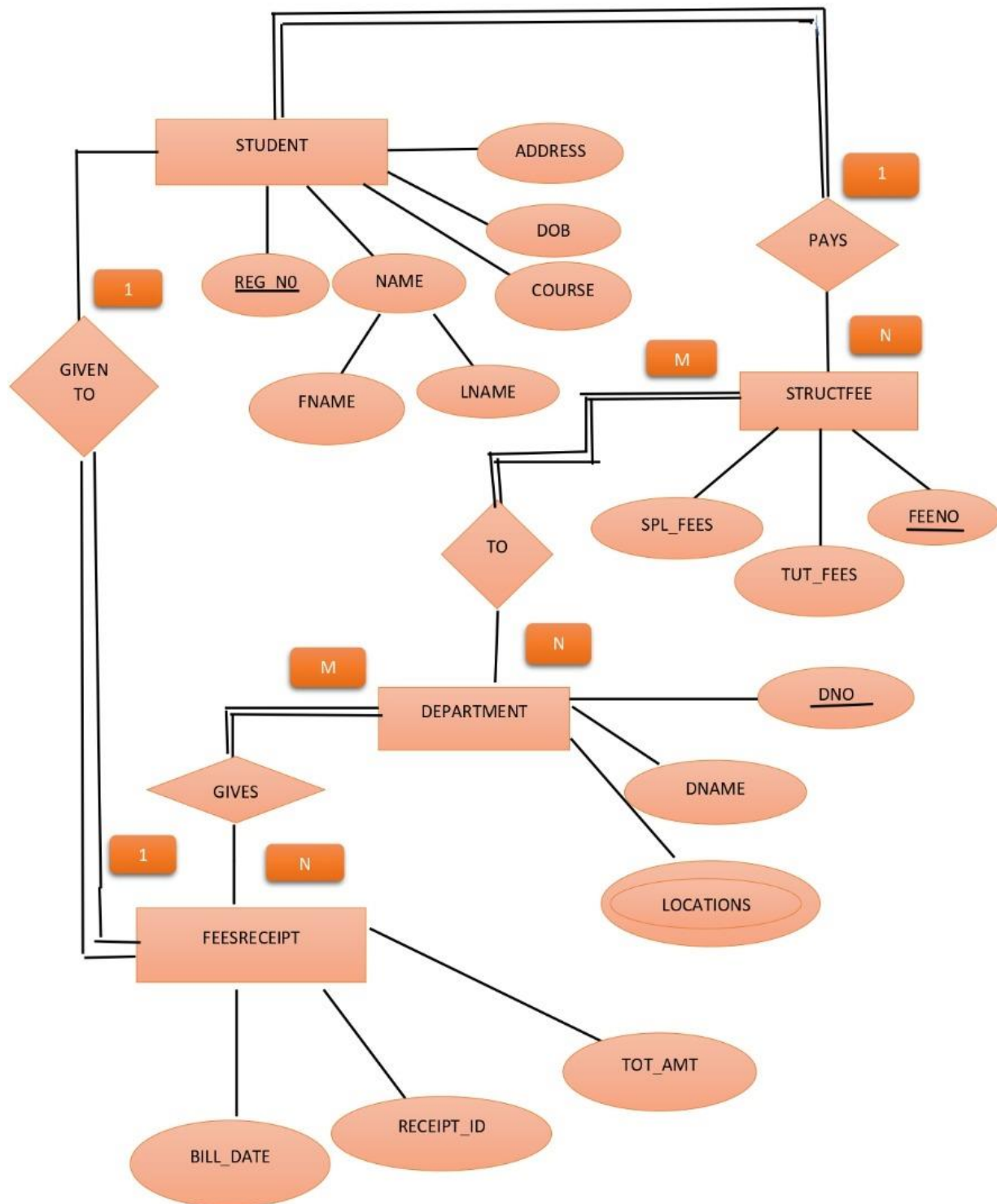
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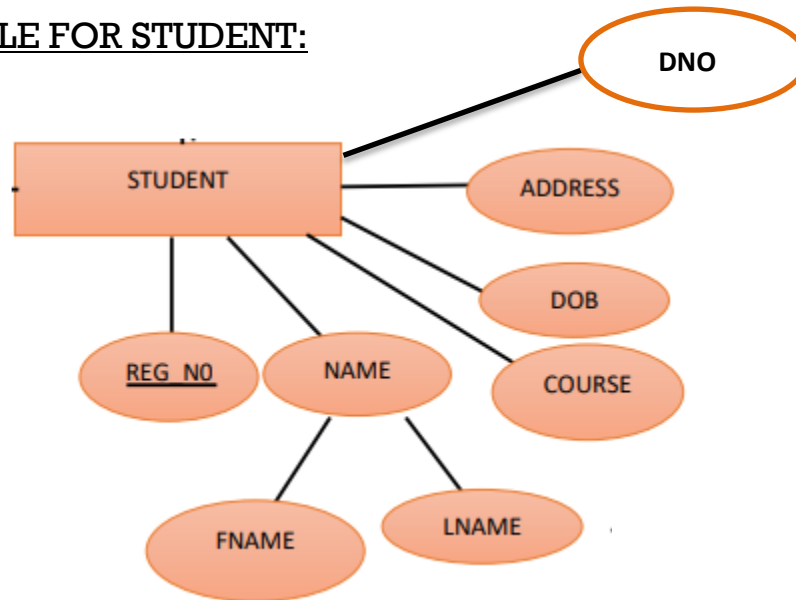
D1 SLOT

**STUDENT FEE MANAGEMENT SYSTEM**





### CREATION TABLE FOR STUDENT:



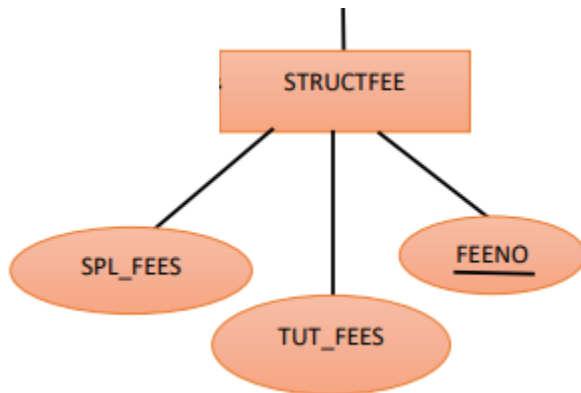
### ATTRIBUTES AND DATA TYPES OF STUDENT TABLE:

- In the student table, the attribute = Reg.No is the primary key in this table.
- The composite attributes in this table FNAME and LNAME, which comes under attribute called NAME.

#### **TABLE NAME: STUDENT**

ATTRIBUTE	DATATYPE	CONSTRAINTS
REG_NO	VARCHAR(10)	NOT NULL PRIMARY KEY
FNAME	CHAR(20)	DEFAULT NULL
LNAME	CHAR(10)	DEFAULT NULL
ADDRESS	VARCHAR(50)	DEFAULT NULL
DNO	INT	FOREIGN KEY REFERENCES(DEPARTMENT)
COURSE	CHAR(30)	DEFAULT NULL
DOB	INT(30)	DEFAULT NULL

### CREATION TABLE FOR STRUCTFEE:



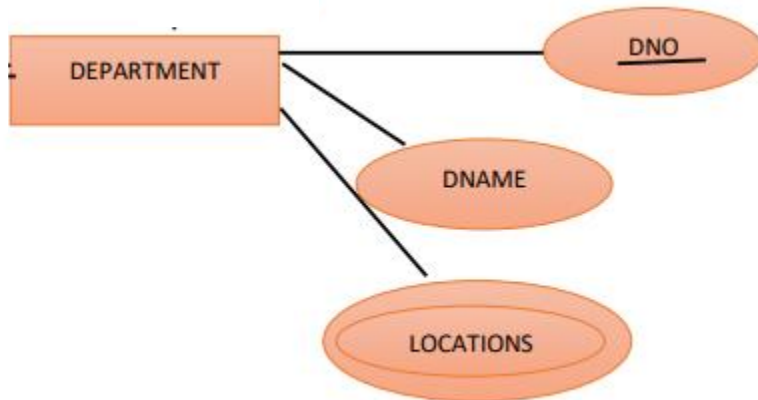
### ATTRIBUTES AND DATA TYPES OF STRUCTFEE TABLE:

- In the structfee table, the attribute = FEE NO is the primary key in this table.
- The registration number and DNO refer the table student .

#### **TABLE NAME: STRUCTFEE**

ATTRIBUTE	DATATYPE	CONSTRAINTS
FEENO	INT(20)	PRIMARY KEY NOT NULL
TUT_FEES	INT(20)	DEAFULT NULL
SPL_FEES	INT(20)	DEFAULT NULL
REG_NO	VARCHAR(10)	FOREIGN KEY REFERENCES(STUDENT)
DNO	INT	FOREIGN KEY REFERENCES(DEPARTMENT)

### CREATION TABLE FOR DEPARMENT AND ITS LOCATIONS:



### ATTRIBUTES AND DATA TYPES OF DEPT AND DEPT LOCATIONS:

- The DNO is the primary key in this table.
- In this table, we having location attribute as the multi value attribute.
- In the location attributes having the values such as DNO,DLOC.

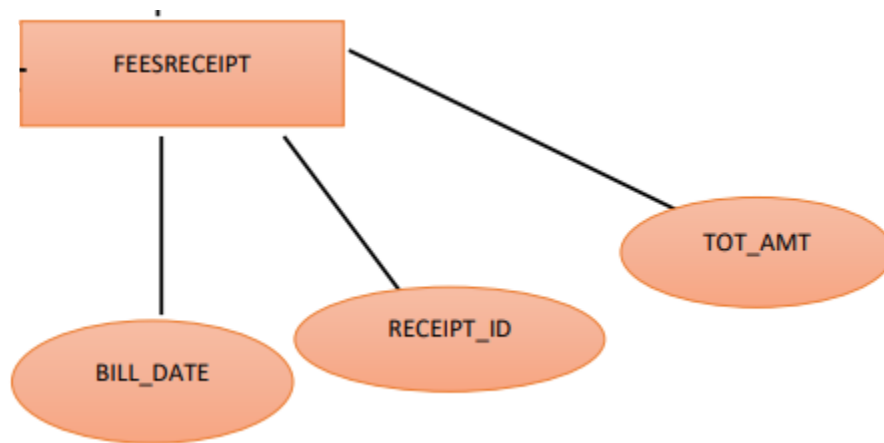
#### **TABLE NAME: DEPARTMENT**

ATTRIBUTE	DATATYPE	CONSTRAINTS
DNO	INT	PRIMARY KEY(NOT NULL)
DNAME	CHAR(30)	DEFAULT NULL

#### **TABLE NAME: DEPARTMENT\_LOCATIONS**

ATTRIBUTE	DATATYPE	CONSTRAINTS
DNO	INT	FOREIGN KEY REFERENCES(DEPARTMENT)
DLOC	CHAR(30)	DEFAULT NULL

### CREATION TABLE FOR FEE RECEIPT:



### ATTRIBUTES AND DATA TYPES OF FEE RECEIPT:

#### **TABLE NAME: RECEIPT**

ATTRIBUTE	DATATYPE	CONSTRAINTS
RECEIPT_ID	VARCHAR(20)	PRIMARY KEY NOT NULL
BILL_DATE	INT(20)	DEFAULT NULL
TOTAMT	INT(30)	DEFAULT NULL
REG_NO	VARCHAR(10)	FOREIGN KEY REFERENCES(STUDENT)
DNO	INT	FOREIGN KEY REFERENCES(DEPARTMENT

### RELATIONSHIPS BETWEEN TABLES:

- The relationship between the student table and struct fee table is payment.
- The relationship between the student table and fee receipt table is given as "GIVEN TO"= which means giving receipts to the appropriate students.
- The relationship between the Department table and fee receipt table is gives the payment details of the student details to the fee receipt table.
- The relationship between the structfee to the department table the structfee table provides the student fee structure to the department such as spl\_fee,tution\_fee,fee\_no.

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