to back as soon as they are produced: when embedded SQL is used, the SQL State ments are included as part of a program written io a general-purpose larguage such as c C++ Or COBOL.

* DDL and DML commands.

* DDL commands

The Basically used DDL commands

are:

- i) treate
- 2) Alter
- 3) Dsob.

* reate command The weate command is commo nly used for velating a database (table). a base table is a lable that has its own independentenistence It is represented in the physical database by a stored fite.

To create a bare table the sql statementcreate command is used. The system for create

command is, create table lablemene (columnnames datatype(size), column name 2 detatype(size)); Eg: weate a lable Student with the following altributes, sollno, name, place mod course create lable sludent-(rouno number(5), same vareha (15), place varchar (15), course (varchar (10)); * Alter command atsulures of a lable, it is commonly used to addnew columns to the emisting table and also to change the datalegae and size of the existing field name. After command is mainly classified into two types (alter with add The systam is, arter table tablename ADD Gewcolumnname data type (size)): Eg: Add a new column to the existing student table as mark.

alter lable student-ADD (mark number(10));

(2) alter with modify
The Syntan is,

alter table stable same modify (columns same newdatatype (3250);

Eg alter table student Modify (name vancha,

*Doop commend

A drop commend is commonly

wred to delete the complete & foculture of

the base table.

The syntan is, It also table tablename;

eg: DROP table student;

attributes.

Empro, Emprome, address, designation, Salary.

Add a new column, "pin code" into the emistion table change the size of the field name,

"adolress".

ons reale lable Employee (Empro number (5), Emprane varchar (15), address varchar (20), designation varchar (20), Salary number (6)); alter table Employee ADD (pincode number (6)); alter table employee Modify (address voacharlad), * DML commands consists of commands to insert luples, delete and mo-dify tuples in a database It also provides comma--nds to retrieve information from the table. - ands are:
The commonly used DML commonly used Daws into the table. The syntam is, insert into table name values (value) values Eg: insert into students values (i'sneba', paralis 'bsc');
inser into student values (2, 'Meeni, 'A vanusway,
'Bsc');
insert into student values (3, 'Revathy', 'Rotlay,

* Select

It is used to retrieve datas from table in a database.

Syntan method-1

for retrieving all contents from the entition

[select (star) * Asom table name;

Method-2

For actaieving select contents from the table.

Select columnsmet, column same 2 from the tablessme.

Method-3 for retrieving selected contents from the table for setting conditions in the table differentoperators are used. select column, columna from table name where condition); * update modify the enisting rows of the table. cipalite teldename set columnname = value when Condition). eg: apolite student- set mark= 50 where sollno=1; * Delete

delete command is used to semove

the stready emisting sows from the table. delete from tablessme where (condition) * Pypes of operators used in DML commends

*Relational operators

mathematical symbol that codicates a certain type of compossition comparisson blw two value. The relational operators that used in square

Equal to (=)

Greater Han (>)

less than (K)

egreator than or equal to (>=) less than or equal to (<=)

Not equal to (!=)

Retrieve the details the name and solary of a Employee table having salary greater than 10,000

Select name, salary from employee where Salary greater than 19,000 * Boden operators Retrieve the defails of all employees with designation = manager and salary greater than 10,000. select * from Employee where (designation = mane-ger AND 8 alary greater than 10,000);

* special operators

1) Between

It defines the range of values in the queries. Eg: Select name, mark from student where mark between 50 AND 80.

a) helpe

It is commonly used for pattern matching. The two special symbols used stong with the "like operator is 1. md
(percentage) (undersoone). Symbol.

Eg: Retrieve the contents, name of those students from the student table whose name begin with the letter's.

Ans select name from student where name like

Beleet name, rollno from student where name like "sx.";

select name from setudent where name like's and.

3) IN And NOT IN

a set or which a given value may may not be included in the query.

The intoperator defines the set by emplicity parantheris seperated by comma operator.

1) Aggragate functions

The commonly used aggragate functions

The count O specifies the no: of rows/ non null field values that query select.

a) sun()

It represents the arithmetic -Sum of All selected values of a given field. 3) ANGO The and represents the average of all - selected values of at a given field.

The man represents the manimum of all?

selected values of a given field.

b) min()

The min represents the minimum of all selected values of a given field.

* 6120up by mod having clause.

aggrigate functions independently to a series of group that are defined by having a field value in common.

Eg: Select group name, man (mark from studentgroup by name);

applied on groups, the having claure is use for this purpose of chiminates some groups - from the output satisfying the aiteria defined in the guery.

Eg: select name, court (x) from student groupby name = BSC;

* Godaby claure

according to the values in one more selected columns. The default sost type is arrending (Asi) and other is descending (desc)

Eg: select * from student order by name, may,

Select * from student order by name, may,

desc;