MIT-WPU ।। विश्वशान्तिपूर्व प्रवा ।।	Dr. Vishwanath Karad MIT WORLD PEAC UNIVERSITY PUNE TECHNOLOGY, RESEARCH, SACOULTION & PARTIESTS
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	PB 05 Kustagra Swyawarski 11 Parmiferija yar 11 TECHOLOGY RESEARCH SOCIAL RACINATION & PARMICERSHIPS
	Batch B1
	Jitle: 59h-DMh (Insert, Update, Delete) and select statement with where clause and 59h operators.
13300	I remain hab display related and the fell of
	Min: Write duitable DML and reliet command to maripulate and retrieve requested data from tables.
	maripulate and retrieve requested data from tables.
	The Labour mode Military
	Objectives: Jo study- DML (Insert, Update, Delete) commands 3QL Select-logical, IN, Negation, NULL, comparison operators.
	· DML (Insert, Undate, Delete) commands
	· 50h Select - Logical, IN, Negation, NULL,
	comparison operators.
J. 10 14 14 14 14 14 14 14 14 14 14 14 14 14	Where clause Between AND, Exists, ALL, LIKE.
	118 ml sadde the la R NE pil ono con p
	Theory:
	ESC & medan a medal del la
->	Explain SQL DML commands
1.	Insert: irrection of new tuples into a given relation. add a new tuple to course. Insert into course values ('CS 437', 'DBMS', 'C.S', H);
eg:	add a new tuple to course.
	I Insert into course values ('CS 437', 'DBMS', CS', 4);
_	
-	Insert into course (cid, title, dept_name, crediti)
	Insert into course (cid, title, dept_name, credits)
	values ('cs+37', 'PBMs', 'cs', 4);
-	
	· add a new tuple to student with tot-creds set
	to rull
	insert into student values ('3003', Green', 'Finance', rull);
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2.	DELETE: deletion of tiples from a given relation.
eg:	
0	Delete all instructions from linance denautment
	Delete all instructions from finance department => delete from instructor where dept_name = 'Finance';
	, carrie from a carrie of the
115	Delete all students relation Tuples delete from student;
→	delete from student:
3.	update: updation of Values in some tuples in a given relation. Increase stalories of instructors whose salary is over \$ 100,000 by 3%. & of all others by 5%. update instructor set salary = salary * 0.03. where salary > 100,000;
	a given relation.
ea:	
9.	Increase showies at instructors whose salary is now
	\$ 100 000 lu 3'1 of all attents lu 5'1
\rightarrow	and at instructor
	Let delaway below y and
	All saturag = saturag + 0.03.
	wrote salary > 100,000;
	updale instructor
	All salary = Salary *0.05
10000	set salary = salary *0.05 where salary \leq = 100,000;
→	Explain select query
- (4)	The select statement is used to select data from
-	a database table.
=>	SELECT } mandatory clauses
-	FROM
	where Optional clauses
(48), 432	group by
	Having www.mitwpu.edu.in
	Orderby



eg:	SELECT * From Student;
0	SELECT * From student; - The result of an SQL query is a relation
→	Explain SQL operators
	The select clause can contain arithmetic expression
	involving the operations + - * 1 and operating
	The select clause can contain authoritic expressions involving the operations, +, -, *, 1, and operating
	of the things of the terms.
eg	=> select ID, name, salary /12
lead .	from instructor;
	would return a relation that is the same as
124184	the instructor, except that the value of the
	the instructor, except that the value of the attribute salary is divided by 12.
	O PORT DEATHER THE COURT THE PERSON TO THE
	Input: Flight Database
	· · · · · · · · · · · · · · · · · · ·
	Output: Data as per request
	Authorities and English and Indianalist
A MILES	Conclusion: This, we have learned SQL DML comman
	SELECT command with son operators
	Thoroughly
	9 0
3.4	Take the second court was a second to the second se
	FAQs:
	THE RESERVE ASSESSMENT OF THE RESERVE ASSESS
->	DROP TRUNCATE
140, 10	used to remove table used to delete all the
	definitions and its contents news from the table



•	table space is freed from no table space freed the memory. view of table does not view of table ensits exist. integrity constraints will integrity constraints be remove. will not be removed.
•	Pattern matching functions: 'hike' Operator: priorider standard pattern matching in 59h that is always used after a where clause. It matches any patterns based on some conditions provided using the wildcard characters. SELECT * From aswers where course name like 'd'6';
	REGEXP_LIKE operator: takes redumn name and the regular expression as parameters. SELECT * FROM course Where REGEXP_LIKE (coursenance,) '^[A-Za-Z]{43 \$'); where '^' represent starting '\$' represents ending of regular expressions.
eg:	REGEXP operator: same functionality as REGXEP_LIKE. SELECT * FROM course where course name REGXEP '^[A-Za-Z] {4,}\$;
	RUKE operator: (same as above) eg: SEJECT FROM course NHERE coursenance RUKE '^[A-Za-Z]{4,}\$';
5.]	DELETE FROM Customers. www.mitwpu.edu.in

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PB_05_Kushagra Suryawanshi
Enter password: **********
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySOL connection id is 11
Server version: 8.0.21 MySQL Community Server - GPL
Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> create database Music Library2;
Query OK, 1 row affected (0.15 sec)
mysql> use Music Library;
ERROR 1049 (42000): Unknown database 'music library'
mysql> use Music Library2;
Database changed
mysql> create table Artist(Artist id integer primary key auto increment(10),
Artist name varchar(20));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'auto
increment(10), Artist_name varchar(20))' at line 1
mysql> create table Artist(Artist_id integer primary key autoincrement(10),
Artist name varchar(20));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near
'autoincrement(10), Artist_name varchar(20))' at line 1
mysql> create table Artist(Artist_id integer primary key auto_increment(10),
Artist name varchar(20));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '(10),
Artist name varchar(20))' at line 1
mysql> create table Artist(Artist id integer primary key auto increment,
Artist name varchar(20));
Query OK, 0 rows affected (1.54 sec)
mysql> create table Music Collection(Collection id integer primary key
auto increment, collection type varchar(20));
Query OK, 0 rows affected (0.67 sec)
mysql> create table Tracks(Track id not nul primary key auto increment, Track title
varchar(20), time length float, album id integer not null, foregin key(album id)
references
    -> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
```

corresponds to your MySQL server version for the right syntax to use near 'not nul primary key auto_increment, Track_title varchar(20), time_length float, ' at line 1 mysql> create table Album(Album_id integer not null primary key auto_increment, Album_name varchar(20), collection_id integer, artist_id integer, year_creation integer, foreign key(collection_id) references
Music_Collection(Collection_id), foreign key(artist_id) references
Artist(Artist id);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1

mysql> create table Album(Album_id integer not null primary key
auto_increment,Album_name varchar(20),collection_id integer,artist_id integer,
year_creation integer,foreign key(collection_id) references
Music_Collection(Collection_id), foreign key(artist_id) references
Artist(Artist id);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1

mysql> create table Album(Album_id integer primary key auto_increment,Album_name
varchar(20),collection_id integer,artist_id integer, year_creation integer,foreign
key(collection_id) references Music_Collection(Collection_id), foreign
key(artist_id) references Artist(Artist_id);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1

mysql> desc Artist;

Field	Туре	Null	Key	Default	++ Extra
Artist_name	int varchar(20)	NO YES	PRI	NULL NULL	auto_increment

2 rows in set (0.05 sec)

mysql> desc Music Collection;

+	Туре	Null	Key	Default	Extra
Collection_id	 int varchar(20)	NO YES	PRI	NULL NULL	auto_increment auto_increment

2 rows in set (0.00 sec)

mysql> create table Album(Album_id integer primary key, collection_id integer,
artist_id integer, year_creation integer, foreign key(collection_id) references
Music_Collection(Collection_id), foreign key(artist_id) references
Artist(Artist_id);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1

mysql> create table Album(Album_id integer primary key, collection_id integer,
artist_id integer, year_creation integer, foreign key(collection_id) references
Music_Collection(Collection_id), foreign key(artist_id) references
Artist(Artist_id));

Query OK, 0 rows affected (2.56 sec)

mysql> desc Album;

		L	L		L
Field	Туре	Null	Key	Default	Extra
Album_id collection_id artist_id year_creation	int int int int	NO YES YES YES	PRI MUL MUL	NULL NULL NULL NULL	i i

4 rows in set (0.00 sec)

mysql> create Tracks(Track_id integer not null primary key, Track_name varchar(20),
album_id integer, time_length float, foreign key(album_id) references
Album(Album id));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Tracks(Track_id integer not null primary key, Track_name varchar(20), album_id i' at line 1

mysql> create table Tracks(Track_id integer not null primary key, Track_name
varchar(20), album_id integer, time_length float, foreign key(album_id) references
Album(Album_id));

Query OK, 0 rows affected (1.11 sec)

mysql> desc Tracks;

Field	+ Type 	+ Null	 Key	Default	+ Extra
Track_id Track_name album_id time_length	int	NO YES YES YES	İ	NULL NULL NULL NULL	

4 rows in set (0.12 sec)

mysql> select count(*), Album.Album_id from Tracks,Album where Tracks.album id=Album.Album id;

+.				+-		+
İ	cour	nt(k)	İ	Album_	_id
İ			0	İ	NU	JLL
•				•	(0.07	•
_	I OW	T11	30	٠.	(0.0)	300)

mysql> select * from Album;

```
| ab_id | album_name | track_id | year | time_alb | alb_cost |
+----+

      101 | Love
      1 | 2000 | 3000 | 30.49 |

      104 | Sad
      2 | 1995 | 4000 | 15 |

      105 | Friends
      5 | 1995 | 1000 | 5 |

      106 | Family
      6 | 2010 | 2000 | 60 |

+----+
4 rows in set (0.00 sec)
mysql> select album_id,album_name,year from Album order by album_name;
ERROR 1054 (42S22): Unknown column 'album id' in 'field list'
mysql> select ab id,album name,year from Album order by album name desc limit 5;
+----+
| ab_id | album_name | year |
+----+
   104 | Sad | 1995 |
   101 | Love | 2000 |
   105 | Friends | 1995 |
106 | Family | 2010 |
+----+
4 rows in set (0.00 sec)
mysql> select ab_id,album_name,year from Album order by time_alb limit 5;
+----+
| ab_id | album_name | year |
+----+
   105 | Friends | 1995 |
   106 | Family | 2010 |
101 | Love | 2000 |
   104 | Sad | 1995 |
+----+
4 rows in set (0.00 sec)
mysql> select artist name from Artist where artist name like '%B%' or '%b%';
+----+
| artist name |
+----+
Bob Azzam
Badshaah
Bob Azzam
Beyonce
+----+
4 rows in set, 1 warning (0.03 sec)
mysql> update Album set alb cost=alb cost*0.2;
Query OK, 4 rows affected (0.11 sec)
Rows matched: 4 Changed: 4 Warnings: 0
mysql> select * from Album;
```

+ ab_id	album_name	track_id	year	time_alb	alb_cost	
104 105	Love Sad Friends Family	2 5	2000 1995 1995 2010	4000 1000	6.098 3 1 12	

4 rows in set (0.04 sec)

mysql> update Album set alb_cost=alb_cost*5;
Query OK, 4 rows affected (0.12 sec)
Rows matched: 4 Changed: 4 Warnings: 0

mysql> select * from Album;

++ ab_id ++	album_name	track_id	 year 		 alb_cost
104 105	Love Sad Friends Family	2 5	2000 1995 1995 2010	4000	30.49 15 5 60

4 rows in set (0.00 sec)

mysql> update Album set alb_cost=alb_cost+alb_cost*0.2; Query OK, 4 rows affected (0.14 sec) Rows matched: 4 Changed: 4 Warnings: 0

mysql> select * from Album;

_		L	L	L	L	LL
	ab_id	album_name	track_id	year	time_alb	alb_cost
	104 105	Love Sad Friends Family	2 5	2000 1995 1995 2010	3000 4000 1000 2000	36.588 18 6 72
+		+	+	+	+	++

4 rows in set (0.00 sec)