ROLL NO: 106117052

NAME: M JOHN SAMUEL

DATE: SEPT 7 , 2020

DBMS EXP-2.

Q1.)

1.)create table BOOKS ( BookNo INT(3), Title varchar(25), PUBLICATION VARCHAR (25), AUTHOR VARCHAR (100), PRICE VARCHAR(100), QUANTITY INT(3), EDITION INT(2));

mysql> ALTER TABLE BOOKS

-> ADD PRIMARY KEY(TITLE);

mysql> ALTER TABLE BOOKS modify COLUMN Title varchar(50);

mysql>ALTER TABLE BOOKS modify COLUMN PUBLICATION VARCHAR(100);

Query OK, 0 rows affected (0.19 sec)

mysql> DESC BOOKS;

+-------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------------+--------------+------+-----+---------+-------+

| BookNo | int(3) | YES | | NULL | |

| Title | varchar(50) | NO | PRI | NULL | |

| PUBLICATION | varchar(100) | YES | | NULL | |

| AUTHOR | varchar(100) | YES | | NULL | |

| PRICE | varchar(100) | YES | | NULL | |

| QUANTITY | int(3) | YES | | NULL | |

| EDITION | int(2) | YES | | NULL | |

+-------------+--------------+------+-----+---------+-------+

7 rows in set (0.00 sec)

2.)

INSERT INTO BOOKS values(1, Fundamentals of Database Sysetem ’Pearson | Elmasri,Navathe ‘, 800 , 25 , 7 );

INSERT INTO BOOKS values(2,'Database System Concepts ','TATA McGraw-Hill Higher Education ',’ Silberschatz, Korth, Sudharshan’,750,15,7);

INSERT INTO BOOKS values(3,'Database Management System','TATA McGraw-Hill Higher ','Raghurama Krishnan, Johannes Gehrke',590,10,3);

INSERT INTO BOOKS values(4,'Datastructures and algorithms','pearson ','H.Comen',1080,5,6);

INSERT INTO BOOKS values(5,'Operating system','wiley ','Silberschatz, Galvin, Gagne',640,8,6);

INSERT INTO BOOKS values(6,'Modern Operating system','Prentice Hall India ',' tanenbaum',890,23,2);

INSERT INTO BOOKS values(7,'computer networks','PH ','Kurose,Ross',390,102,6); CREATE TABLE EMP(EMPNO INT PRIMARY KEY,

-> ENAME VARCHAR(20),

-> JOB VARCHAR(10),

-> DEPT VARCHAR(10) NOT NULL,

-> DEPTNO INT,

-> SAL DECIMAL(7,2));

Query OK, 0 rows affected (0.47 sec)

mysql> desc EMP;

+--------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+--------------+------+-----+---------+-------+

| EMPNO | int(11) | NO | PRI | NULL | |

| ENAME | varchar(20) | YES | | NULL | |

| JOB | varchar(10) | YES | | NULL | |

| DEPT | varchar(10) | NO | | NULL | |

| DEPTNO | int(11) | YES | | NULL | |

| SAL | decimal(7,2) | YES | | NULL | |

+--------+--------------+------+-----+---------+-------+

3.)

mysql> SELECT Title , AUTHOR

-> FROM BOOKS;

+----------------------------------+-------------------------------------+

| Title | AUTHOR |

+----------------------------------+-------------------------------------+

| computer networks | Kurose,Ross |

| Database Management System | Raghurama Krishnan, Johannes Gehrke |

| Database System Concepts | Silberschatz, Korth, Sudharshan |

| Datastructures and algorithms | H.Comen |

| Fundamentals of Database Sysetem | Elmasri,Navathe |

| Modern Operating system | tanenbaum |

| Operating system | Silberschatz, Galvin, Gagne |

+----------------------------------+-------------------------------------+

7 rows in set (0.00 sec)

4.)

mysql> SELECT AUTHOR

-> FROM BOOKS

-> WHERE Title = 'Database System Concepts';

+---------------------------------+

| AUTHOR |

+---------------------------------+

| Silberschatz, Korth, Sudharshan |

+---------------------------------+

5.)mysql> SELECT AUTHOR

-> FROM BOOKS;

+-------------------------------------+

| AUTHOR |

+-------------------------------------+

| Kurose,Ross |

| Raghurama Krishnan, Johannes Gehrke |

| Silberschatz, Korth, Sudharshan |

| H.Comen |

| Elmasri,Navathe |

| tanenbaum |

| Silberschatz, Galvin, Gagne |

+-------------------------------------+

6.)mysql> SELECT\* FROM BOOKS

-> WHERE PRICE > 800;

+--------+-------------------------------+----------------------+------------+-------+----------+---------+

| BookNo | Title | PUBLICATION | AUTHOR | PRICE | QUANTITY | EDITION |

+--------+----------------- CREATE TABLE EMP(EMPNO INT PRIMARY KEY,

-> ENAME VARCHAR(20),

-> JOB VARCHAR(10),

-> DEPT VARCHAR(10) NOT NULL,

-> DEPTNO INT,

-> SAL DECIMAL(7,2));

Query OK, 0 rows affected (0.47 sec)

mysql> desc EMP;

+--------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+--------------+------+-----+---------+-------+

| EMPNO | int(11) | NO | PRI | NULL | |

| ENAME | varchar(20) | YES | | NULL | |

| JOB | varchar(10) | YES | | NULL | |

| DEPT | varchar(10) | NO | | NULL | |

| DEPTNO | int(11) | YES | | NULL | |

| SAL | decimal(7,2) | YES | | NULL | |

+--------+--------------+------+-----+---------+-------+--------------+----------------------+------------+-------+----------+---------+

| 4 | Datastructures and algorithms | pearson | H.Comen | 1080 | 5 | 6 |

| 6 | Modern Operating system | Prentice Hall India | tanenbaum | 890 | 23 | 2 |

+--------+-------------------------------+----------------------+------------+-------+----------+---------+

7.)

mysql> SELECT \* FROM BOOKS

-> WHERE QUANTITY > 15

-> ORDER BY PRICE ASC;

+--------+----------------------------------+----------------------+-----------------+-------+----------+---------+

| BookNo | Title | PUBLICATION | AUTHOR | PRICE | QUANTITY | EDITION |

+--------+----------------------------------+----------------------+-----------------+-------+----------+---------+

| 7 | computer networks | PH | Kurose,Ross | 390 | 102 | 6 |

| 1 | Fundamentals of Database Sysetem | Pearson | Elmasri,Navathe | 800 | 25 | 7 |

| 6 | Modern Operating system | Prentice Hall India | tanenbaum | 890 | 23 | 2 |

+--------+----------------------------------+----------------------+------ CREATE TABLE EMP(EMPNO INT PRIMARY KEY,

-> ENAME VARCHAR(20),

-> JOB VARCHAR(10),

-> DEPT VARCHAR(10) NOT NULL,

-> DEPTNO INT,

-> SAL DECIMAL(7,2));

Query OK, 0 rows affected (0.47 sec)

mysql> desc EMP;

+--------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+--------------+------+-----+---------+-------+

| EMPNO | int(11) | NO | PRI | NULL | |

| ENAME | varchar(20) | YES | | NULL | |

| JOB | varchar(10) | YES | | NULL | |

| DEPT | varchar(10) | NO | | NULL | |

| DEPTNO | int(11) | YES | | NULL | |

| SAL | decimal(7,2) | YES | | NULL | |

+--------+--------------+------+-----+---------+-------+-----------+-------+----------+---------+

8.)mysql> SELECT \* FROM BOOKS WHERE PUBLICATION like 'P\_\_\_\_%';

+--------+----------------------------------+----------------------+-----------------+-------+----------+---------+

| BookNo | Title | PUBLICATION | AUTHOR | PRICE | QUANTITY | EDITION |

+--------+----------------------------------+----------------------+-----------------+-------+----------+---------+

| 4 | Datastructures and algorithms | pearson | H.Comen | 1080 | 5 | 6 |

| 1 | Fundamentals of Database Sysetem | Pearson | Elmasri,Navathe | 800 | 25 | 7 |

| 6 | Modern Operating system | Prentice Hall India | tanenbaum | 890 | 23 | 2 |

+--------+----------------------------------+----------------------+-----------------+-------+----------+---------+

9.)

CREATE TABLE EMP(EMPNO INT PRIMARY KEY,

-> ENAME VARCHAR(20),

-> JOB VARCHAR(10),

-> DEPT VARCHAR(10) NOT NULL,

-> DEPTNO INT,

-> SAL DECIMAL(7,2));

Query OK, 0 rows affected (0.47 sec)

mysql> desc EMP;

+--------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+--------------+------+-----+---------+-------+

| EMPNO | int(11) | NO | PRI | NULL | |

| ENAME | varchar(20) | YES | | NULL | |

| JOB | varchar(10) | YES | | NULL | |

| DEPT | varchar(10) | NO | | NULL | |

| DEPTNO | int(11) | YES | | NULL | |

| SAL | decimal(7,2) | YES | | NULL | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |

10.)mysql> SELECT \* FROM BOOKS WHERE AUTHOR LIKE 'Silberschatz%' and PUBLICATION LIKE 'TATA%';

+--------+--------------------------+-----------------------------------+---------------------------------+-------+----------+---------+

| BookNo | Title | PUBLICATION | AUTHOR | PRICE | QUANTITY | EDITION |

+--------+--------------------------+-----------------------------------+---------------------------------+-------+----------+---------+

| 2 | Database System Concepts | TATA McGraw-Hill Higher Education | Silberschatz, Korth, Sudharshan | 750 | 15

11.) mysql> SELECT TITLE FROM BOOKS WHERE TITLE LIKE '%Concepts%';

+--------------------------+

| TITLE |

+--------------------------+

| Database System Concepts |

+--------------------------+

12.)SELECT PRICE+ (PRICE/10)

-> FROM BOOKS;

+-------------------+

| PRICE+ (PRICE/10) |

+-------------------+

| 429 |

| 649 |

| 825 |

| 1188 |

| 880 |

| 979 |

| 704 |

+-------------------+

7 rows in set (0.00 sec)

Q2.)

A.) CREATE TABLE ISSUE( BOOKNO INT ,

STUDENTNO INT PRIMARY KEY,

ISSUEDATE DATE,

RETURNDATE DATE);

DESC ISSUE;

+------------+---------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+---------+------+-----+---------+-------+

| BOOKNO | int(11) | YES | | NULL | |

| STUDENTNO | int(11) | NO | PRI | NULL | |

| ISSUEDATE | date | YES | | NULL | |

| RETURNDATE | date | YES | | NULL | |

+------------+---------+------+-----+---------+-------+

B.)INSERT INTO ISSUE VALUES(2,25,'2020-09-04','2020-09-10');

INSERT INTO ISSUE VALUES(2,25,'2020-09-04','2020-09-10');

INSERT INTO ISSUE VALUES(3,29,'2020-08-31','2020-09-10');

SELECT \* FROM ISSUE;

+--------+-----------+------------+------------+

| BOOKNO | STUDENTNO | ISSUEDATE | RETURNDATE |

+--------+-----------+------------+------------+

| 1 | 21 | 2020-09-30 | 2020-09-30 |

| 2 | 25 | 2020-09-04 | 2020-09-10 |

| 3 | 29 | 2020-08-31 | 2020-09-10 |

+--------+-----------+------------+------------+

c.)insert INTO ISSUE VALUES ( '4' , '88' , now() , now() + INTERVAL 14 DAY);

SELECT \* FROM ISSUE;

+--------+-----------+------------+------------+

| BOOKNO | STUDENTNO | ISSUEDATE | RETURNDATE |

+--------+-----------+------------+------------+

| 1 | 21 | 2020-09-30 | 2020-09-30 |

| 2 | 25 | 2020-09-04 | 2020-09-10 |

| 3 | 29 | 2020-08-31 | 2020-09-10 |

| 4 | 88 | 2020-09-07 | 2020-09-21 |

+--------+-----------+------------+------------+

D.)SELECT BOOKNO, ISSUEDATE FROM ISSUE WHERE ISSUEDATE LIKE '2020-09-07';

+--------+------------+

| BOOKNO | ISSUEDATE |

+--------+------------+

| 4 | 2020-09-07 |

| 5 | 2020-09-07 |

+--------+------------+

E.) SELECT \* FROM ISSUE WHERE RETURNDATE = 3+ DATE(NOW());

+--------+-----------+------------+------------+

| BOOKNO | STUDENTNO | ISSUEDATE | RETURNDATE |

+--------+-----------+------------+------------+

| 2 | 25 | 2020-09-04 | 2020-09-10 |

| 3 | 29 | 2020-08-31 | 2020-09-10 |

+--------+-----------+------------+------------+

F.)SELECT date\_format(ISSUEDATE, "%M %D %Y") FROM ISSUE;

+------------------------------------+

| date\_forma CREATE TABLE EMP(EMPNO INT PRIMARY KEY,

-> ENAME VARCHAR(20),

-> JOB VARCHAR(10),

-> DEPT VARCHAR(10) NOT NULL,

-> DEPTNO INT,SAL DECIMAL(7,2));

SELECT \* FROM EMP;

+-------+----------+-----------+-------+--------+----------+

| EMPNO | ENAME | JOB | DEPT | DEPTNO | SAL |

+-------+----------+-----------+-------+--------+----------+

| 101 | JOHN | SE | CSE | 1 | 3500.00 |

| 102 | ARUN | SE | CSE | 1 | 35000.00 |

| 103 | YOGESH | SE | CSE | 1 | 5000.00 |

| 104 | ASWIN | SE | CSE | 1 | 500.00 |

| 105 | MADHU | ELEC | EEE | 2 | 5000.00 |

| 106 | NILA | ELEC | CIVIL | 3 | 5000.00 |

| 107 | HARSHITH | ELEC | ECE | 4 | 5000.00 |

| 108 | ADARSH | CIV | CIVIL | 3 | 5000.00 |

| 109 | DANIEL | SE | CSE | 1 | 5000.00 |

| 110 | PREETHAM | MICROSOFT | CSE | 1 | 50000.00 |

+-------+----------+-----------+-------+--------+----------+ ->

Query OK, 0 rows affected (0.47 sec)

mysql> desc EMP;

+--------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+--------------+------+-----+---------+-------+

| EMPNO | int(11) | NO | PRI | NULL | |

| ENAME | varchar(20) | YES | | NULL | |

| JOB | varchar(10) | YES | | NULL | |

| DEPT | varchar(10) | NO | | NULL | |

| DEPTNO | int(11) | YES | | NULL | |

| SAL | decimal(7,2) | YES | | NULL | |

+--------+--------------+------+-----+---------+-------+t

(ISSUEDATE, "%M %D %Y") |

+------------------------------------+

| September 30th 2020 |

| September 4th 2020 |

| August 31st 2020 |

| September 7th 2020 |

| September 7th 2020 |

+------------------------------------+

G.)select date\_format(ISSUEDATE , "%Y" ) as year , date\_format(ISSUEDATE , "%M") as month from ISSUE;

+------+-----------+

| year | month |

+------+-----------+

| 2020 | September |

| 2020 | September |

| 2020 | August |

| 2020 | September |

| 2020 | September |

+------+-----------+

3.)

1.)CREATE TABLE EMP(EMPNO INT PRIMARY KEY,

-> ENAME VARCHAR(20),

-> JOB VARCHAR(10),

-> DEPT VARCHAR(10) NOT NULL,

-> DEPTNO INT,

-> SAL DECIMAL(7,2));

Query OK, 0 rows affected (0.47 se CREATE TABLE EMP(EMPNO INT PRIMARY KEY,

-> ENAME VARCHAR(20),

-> JOB VARCHAR(10),

-> DEPT VARCHAR(10) NOT NULL,

-> DEPTNO INT,

-> SAL DECIMAL(7,2));

Query OK, 0 rows affected (0.47 sec)

SELECT \* FROM EMP;

+-------+----------+-----------+-------+--------+----------+

| EMPNO | ENAME | JOB | DEPT | DEPTNO | SAL |

+-------+----------+-----------+-------+--------+----------+

| 101 | JOHN | SE | CSE | 1 | 3500.00 |

| 102 | ARUN | SE | CSE | 1 | 35000.00 |

| 103 | YOGESH | SE | CSE | 1 | 5000.00 |

| 104 | ASWIN | SE | CSE | 1 | 500.00 |

| 105 | MADHU | ELEC | EEE | 2 | 5000.00 |

| 106 | NILA | ELEC | CIVIL | 3 | 5000.00 |

| 107 | HARSHITH | ELEC | ECE | 4 | 5000.00 |

| 108 | ADARSH | CIV | CIVIL | 3 | 5000.00 |

| 109 | DANIEL | SE | CSE | 1 | 5000.00 |

| 110 | PREETHAM | MICROSOFT | CSE | 1 | 50000.00 |

+-------+----------+-----------+-------+--------+----------+

mysql> desc EMP;

+--------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+--------------+------+-----+---------+-------+

| EMPNO | int(11) | NO | PRI | NULL | |

| ENAME | varchar(20) | YES | | NULL | |

| JOB | varchar(10) | YES | | NULL | |

| DEPT | varchar(10) | NO | | NULL | |

| DEPTNO | int(11) | YES | | NULL | |

| SAL | decimal(7,2) | YES | | NULL | |

+--------+--------------+------+-----+---------+-------+c)

2.)ALTER TABLE EMP ADD CONSTRAINT DEPT CHECK(DEPT IN('CSE','EEE','ECE','IT','CIVIL'));

3.)INSERT INTO EMP VALUES(101,'JOHN','SE','CSE',1,3500.00);

INSERT INTO EMP VALUES(102,'ARUN','SE','CSE',1,35000.00);

INSERT INTO EMP VALUES(103,'YOGESH','SE','CSE',1,5000.00);

INSERT INTO EMP VALUES(104,'ASWIN','SE','CSE',1,500.00);

INSERT INTO EMP VALUES(105,'MADHU','ELEC','EEE',2,5000.00);

INSERT INTO EMP VALUES(106,'NILA','ELEC','CIVIL',3,5000.00);

INSERT INTO EMP VALUES(107,'HARSHITH','ELEC','ECE',4,5000.00);

INSERT INTO EMP VALUES(108,'ADARSH','CIV','CIVIL',3,5000.00);

INSERT INTO EMP VALUES(109,'DANIEL','SE','CSE',1,5000.00);

INSERT INTO EMP VALUES(110,'PREETHAM','MICROSOFT','CSE',1,50000.00);

SELECT \* FROM EMP;

+-------+----------+-----------+-------+--------+----------+

| EMPNO | ENAME | JOB | DEPT | DEPTNO | SAL |

+-------+----------+-----------+-------+--------+----------+

| 101 | JOHN | SE | CSE | 1 | 3500.00 |

| 102 | ARUN | SE | CSE | 1 | 35000.00 |

| 103 | YOGESH | SE | CSE | 1 | 5000.00 |

| 104 | ASWIN | SE | CSE | 1 | 500.00 |

| 105 | MADHU | ELEC | EEE | 2 | 5000.00 |

| 106 | NILA | ELEC | CIVIL | 3 | 5000.00 |

| 107 | HARSHITH | ELEC | ECE | 4 | 5000.00 |

| 108 | ADARSH | CIV | CIVIL | 3 | 5000.00 |

| 109 | DANIEL | SE | CSE | 1 | 5000.00 |

| 110 | PREETHAM | MICROSOFT | CSE | 1 | 50000.00 |

+-------+----------+-----------+-------+--------+----------+

4.)select \* from EMP

-> where ENAME LIKE 'A%';

+-------+--------+------+-------+--------+----------+

| EMPNO | ENAME | JOB | DEPT | DEPTNO | SAL |

+-------+--------+------+-------+--------+----------+

| 102 | ARUN | SE | CSE | 1 | 35000.00 |

| 104 | ASWIN | SE | CSE | 1 | 500.00 |

| 108 | ADARSH | CIV | CIVIL | 3 | 5000.00 |

+-------+--------+------+-------+--------+----------+

5.)SELECT \* FROM EMP WHERE ENAME NOT LIKE 'A%';

+-------+----------+-----------+-------+--------+----------+

| EMPNO | ENAME | JOB | DEPT | DEPTNO | SAL |

+-------+----------+-----------+-------+--------+----------+

| 101 | JOHN | SE | CSE | 1 | 3500.00 |

| 103 | YOGESH | SE | CSE | 1 | 5000.00 |

| 105 | MADHU | ELEC | EEE | 2 | 5000.00 |

| 106 | NILA | ELEC | CIVIL | 3 | 5000.00 |

| 107 | HARSHITH | ELEC | ECE | 4 | 5000.00 |

| 109 | DANIEL | SE | CSE | 1 | 5000.00 |

| 110 | PREETHAM | MICROSOFT | CSE | 1 | 50000.00 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |

6.) SELECT \* FROM EMP WHERE SAL>= 15000 AND SAL<=300000;

+-------+----------+-----------+------+--------+----------+

| EMPNO | ENAME | JOB | DEPT | DEPTNO | SAL |

+-------+----------+-----------+------+--------+----------+

| 102 | ARUN | SE | CSE | 1 | 35000.00 |

| 110 | PREETHAM | MICROSOFT | CSE | 1 | 50000.00 |

+-------+----------+-----------+------+--------+----------+

7.) CREATE TABLE EMP1 LIKE EMP;

Query OK, 0 rows affected (0.34 sec)

mysql> DESC EMP1;

+--------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+--------------+------+-----+---------+-------+

| EMPNO | int(11) | NO | PRI | NULL | |

| ENAME | varchar(20) | YES | | NULL | |

| JOB | varchar(10) | YES | | NULL | |

| DEPT | varchar(10) | NO | | NULL | |

| DEPTNO | int(11) | YES | | NULL | |

| SAL | decimal(7,2) | YES | | NULL | |

+--------+--------------+------+-----+---------+-------+

8.)INSERT INTO EMP1 SELECT\* FROM EMP WHERE DEPT='CSE';

Query OK, 6 rows affected (0.11 sec)

Records: 6 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM EMP1;

+-------+----------+-----------+------+--------+----------+

| EMPNO | ENAME | JOB | DEPT | DEPTNO | SAL |

+-------+----------+-----------+------+--------+----------+

| 101 | JOHN | SE | CSE | 1 | 3500.00 |

| 102 | ARUN | SE | CSE | 1 | 35000.00 |

| 103 | YOGESH | SE | CSE | 1 | 5000.00 |

| 104 | ASWIN | SE | CSE | 1 | 500.00 |

| 109 | DANIEL | SE | CSE | 1 | 5000.00 |

| 110 | PREETHAM | MICROSOFT | CSE | 1 | 50000.00 |

+-------+----------+-----------+------+--------+----------+

9.)SELECT \* FROM EMP ORDER BY DEPT;

+-------+----------+-----------+-------+--------+----------+

| EMPNO | ENAME | JOB | DEPT | DEPTNO | SAL |

+-------+----------+-----------+-------+--------+----------+

| 106 | NILA | ELEC | CIVIL | 3 | 5000.00 |

| 108 | ADARSH | CIV | CIVIL | 3 | 5000.00 |

| 101 | JOHN | SE | CSE | 1 | 3500.00 |

| 102 | ARUN | SE | CSE | 1 | 35000.00 |

| 103 | YOGESH | SE | CSE | 1 | 5000.00 |

| 104 | ASWIN | SE | CSE | 1 | 500.00 |

| 109 | DANIEL | SE | CSE | 1 | 5000.00 |

| 110 | PREETHAM | MICROSOFT | CSE | 1 | 50000.00 |

| 107 | HARSHITH | ELEC | ECE | 4 | 5000.00 |

| 105 | MADHU | ELEC | EEE | 2 | 5000.00 |

10.)SELECT \* FROM EMP ORDER BY JOB;

+-------+----------+-----------+-------+--------+----------+

| EMPNO | ENAME | JOB | DEPT | DEPTNO | SAL |

+-------+----------+-----------+-------+--------+----------+

| 108 | ADARSH | CIV | CIVIL | 3 | 5000.00 |

| 105 | MADHU | ELEC | EEE | 2 | 5000.00 |

| 106 | NILA | ELEC | CIVIL | 3 | 5000.00 |

| 107 | HARSHITH | ELEC | ECE | 4 | 5000.00 |

| 110 | PREETHAM | MICROSOFT | CSE | 1 | 50000.00 |

| 101 | JOHN | SE | CSE | 1 | 3500.00 |

| 102 | ARUN | SE | CSE | 1 | 35000.00 |

| 103 | YOGESH | SE | CSE | 1 | 5000.00 |

| 104 | ASWIN | SE | CSE | 1 | 500.00 |

| 109 | DANIEL | SE | CSE | 1 | 5000.00 |

11.) SELECT EMPNO,ENAME, SUBSTRING(DEPT,1,2) FROM EMP;

+-------+----------+---------------------+

| EMPNO | ENAME | SUBSTRING(DEPT,1,2) |

+-------+----------+---------------------+

| 101 | JOHN | CS |

| 102 | ARUN | CS |

| 103 | YOGESH | CS |

| 104 | ASWIN | CS |

| 105 | MADHU | EE |

| 106 | NILA | CI |

| 107 | HARSHITH | EC |

| 108 | ADARSH | CI |

| 109 | DANIEL | CS |

| 110 | PREETHAM | CS |

+-------+----------+---------------------+

10 rows in set (0.00 sec)

12.) SELECT DISTINCT JOB FROM EMP;

+-----------+

| JOB |

+-----------+

| SE |

| ELEC |

| CIV |

| MICROSOFT |

+-----------+

4 rows in set (0.00 sec)

13.)SELECT \* FROM EMP WHERE ENAME LIKE 'ARUN' OR ENAME LIKE 'ARJUN' OR ENAME LIKE 'SOLOMON';

+-------+-------+------+------+--------+----------+

| EMPNO | ENAME | JOB | DEPT | DEPTNO | SAL |

+-------+-------+------+------+--------+----------+

| 102 | ARUN | SE | CSE | 1 | 35000.00 |

14.)SELECT SUBSTRING(ENAME,2,3) FROM EMP;

+----------------------+

| SUBSTRING(ENAME,2,3) |

+----------------------+

| OHN |

| RUN |

| OGE |

| SWI |

| ADH |

| ILA |

| ARS |

| DAR |

| ANI |

| REE |

+----------------------+

10 rows in set (0.00 sec)

15.)SELECT SUBSTRING(ENAME,-5,2) FROM EMP;

+-----------------------+

| SUBSTRING(ENAME,-5,2) |

+-----------------------+

| |

| |

| OG |

| AS |

| MA |

| |

| SH |

| DA |

| AN |

| ET |

+-----------------------+

10 rows in set (0.00 sec)