CREATE TABLE Station

(

ID NUMBER NOT NULL,

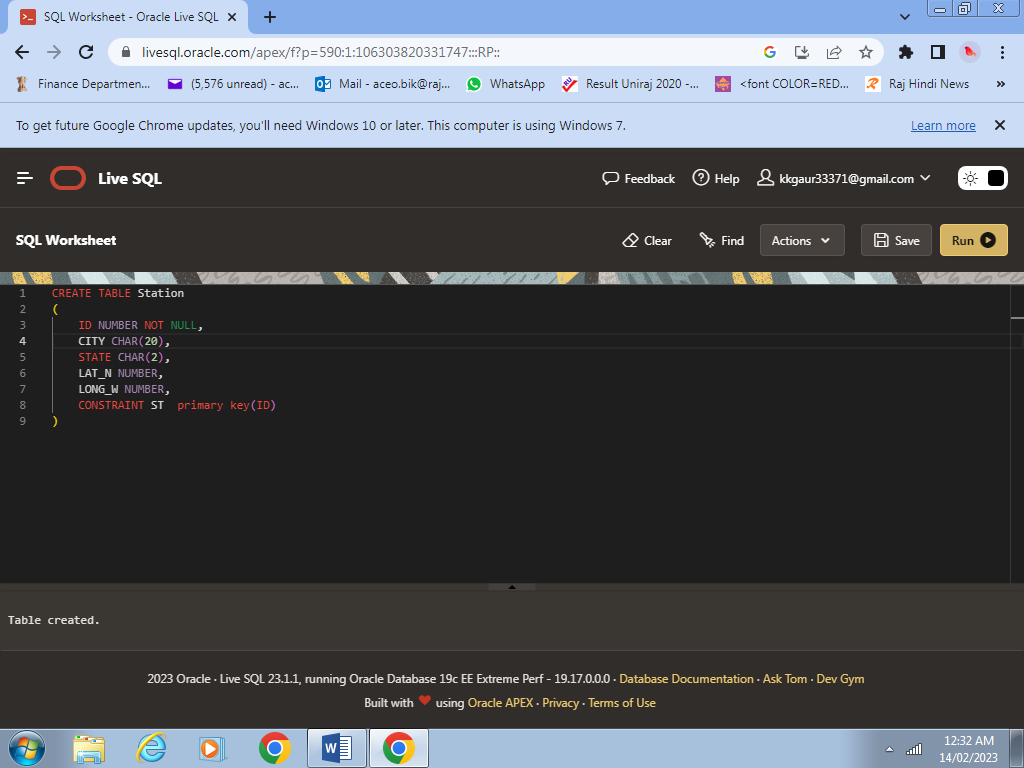
CITY CHAR(20),

STATE CHAR(2),

LAT\_N NUMBER,

LONG\_W NUMBER,

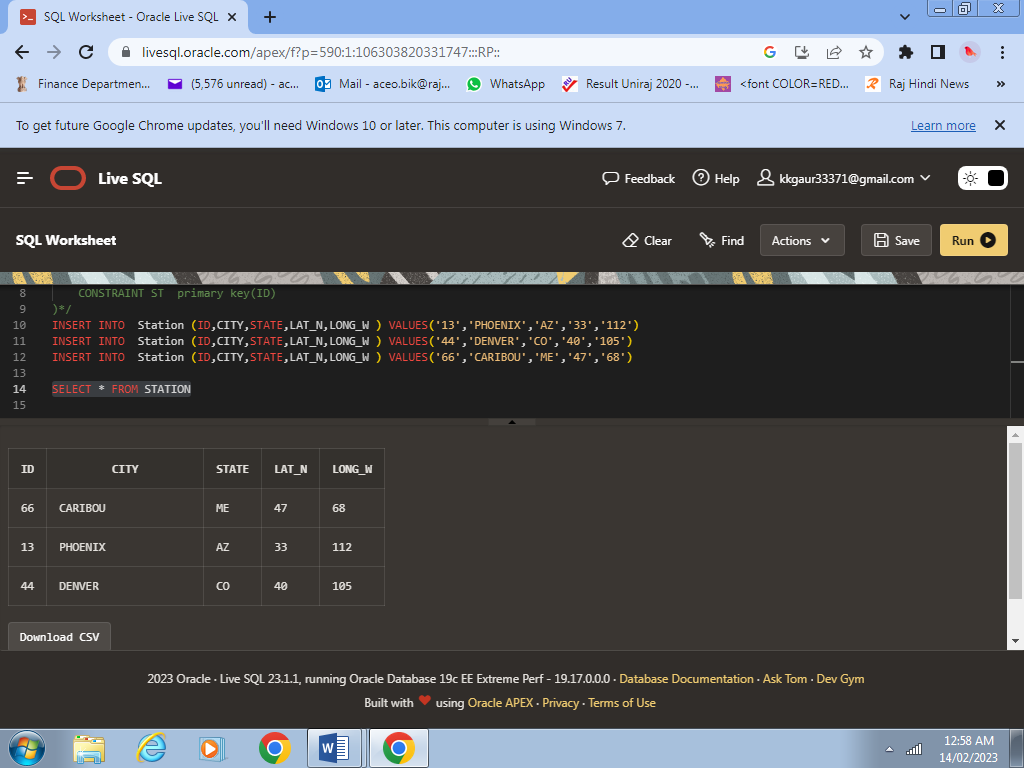
CONSTRAINT ST primary key(ID)

)

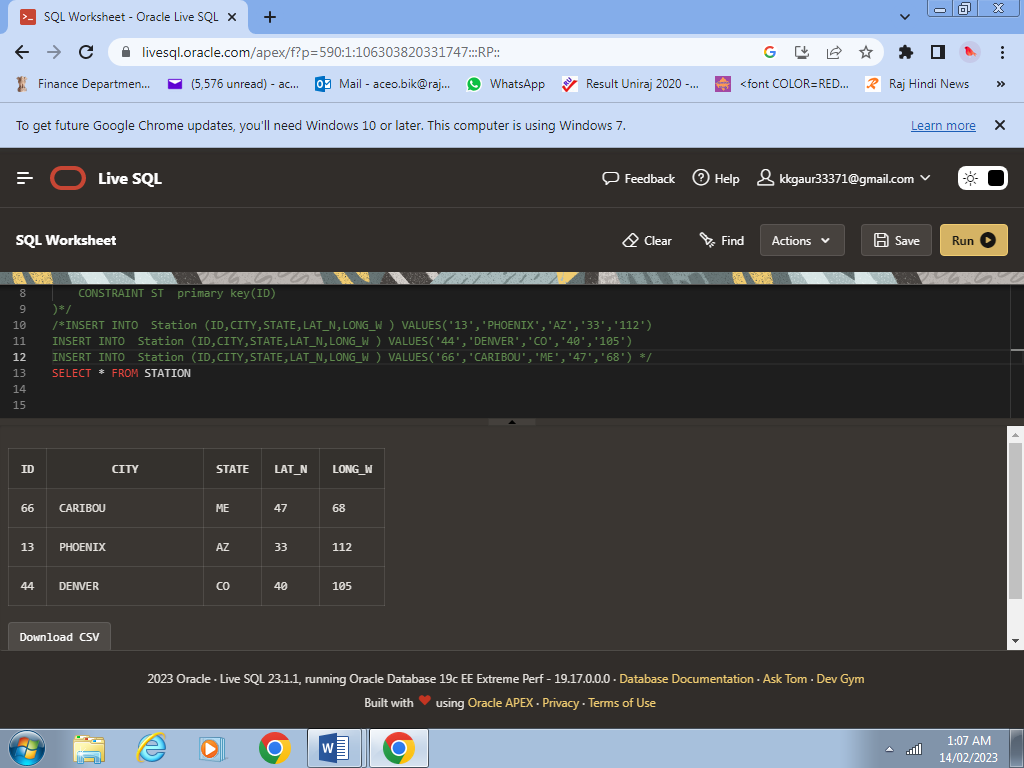
INSERT INTO Station (ID,CITY,STATE,LAT\_N,LONG\_W ) VALUES('13','PHOENIX','AZ','33','112')

INSERT INTO Station (ID,CITY,STATE,LAT\_N,LONG\_W ) VALUES('44','DENVER','CO','40','105')

INSERT INTO Station (ID,CITY,STATE,LAT\_N,LONG\_W ) VALUES('66','CARIBOU','ME','47','68')

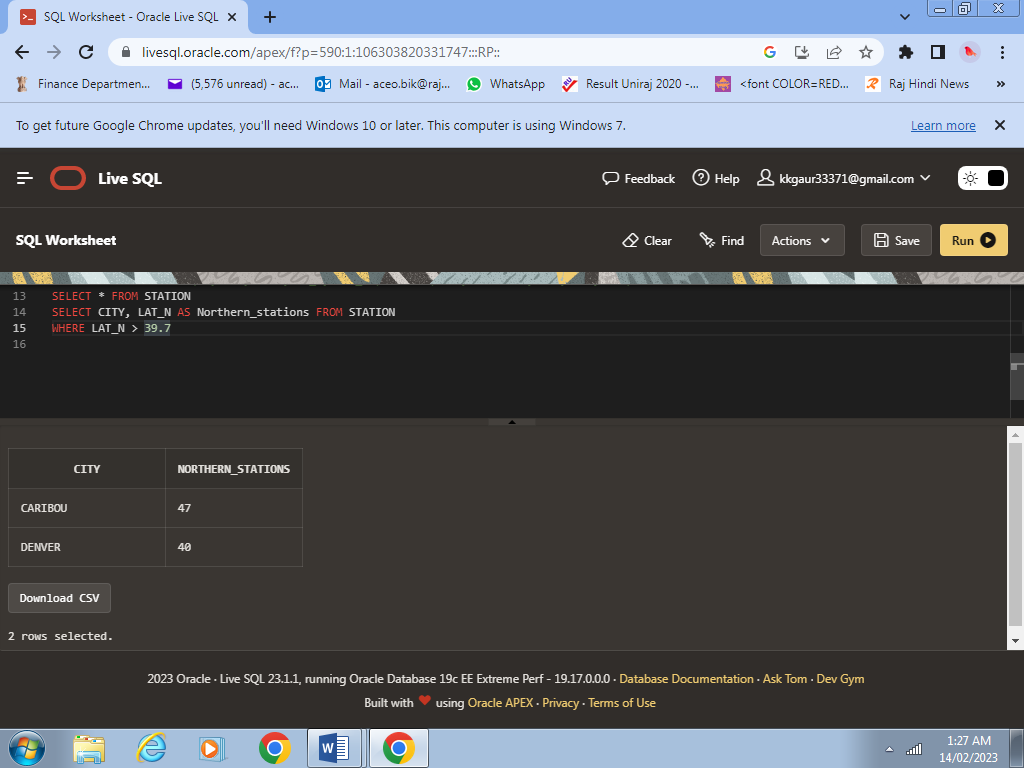


1. SELECT \* FROM STATION



SELECT CITY, LAT\_N AS Northern\_stations FROM STATION

WHERE LAT\_N > 39.7 ;



CREATE TABLE STATS

(

ID NUMBER NOT NULL,

MONTH NUMBER CHECK (MONTH BETWEEN 1 AND 12),

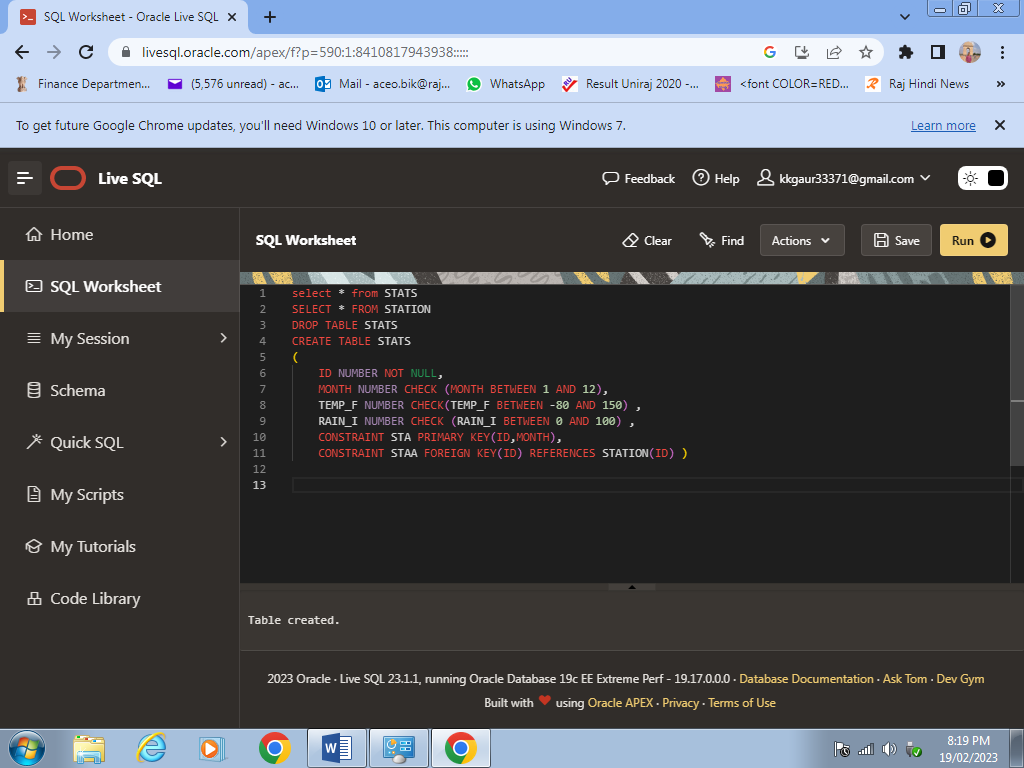
TEMP\_F NUMBER CHECK (TEMP\_F BETWEEN -80 AND 150) ,

RAIN\_I NUMBER CHECK (RAIN\_I BETWEEN 0 AND 100) ,

CONSTRAINT STA PRIMARY KEY (ID,MONTH),

CONSTRAINT STAA FOREIGN KEY (ID) REFERENCES STATION(ID)

)



INSERT INTO STATS (ID,MONTH,TEMP\_F,RAIN\_I) VALUES(13,1,57.4,.31)

INSERT INTO STATS (ID,MONTH,TEMP\_F,RAIN\_I) VALUES(13,7,91.7,5.15)

INSERT INTO STATS (ID,MONTH,TEMP\_F,RAIN\_I) VALUES(44,1,27.3,.18)

INSERT INTO STATS (ID,MONTH,TEMP\_F,RAIN\_I) VALUES(44,7,74.8,2.11)

INSERT INTO STATS (ID,MONTH,TEMP\_F,RAIN\_I) VALUES(66,1,6.7,2.1)

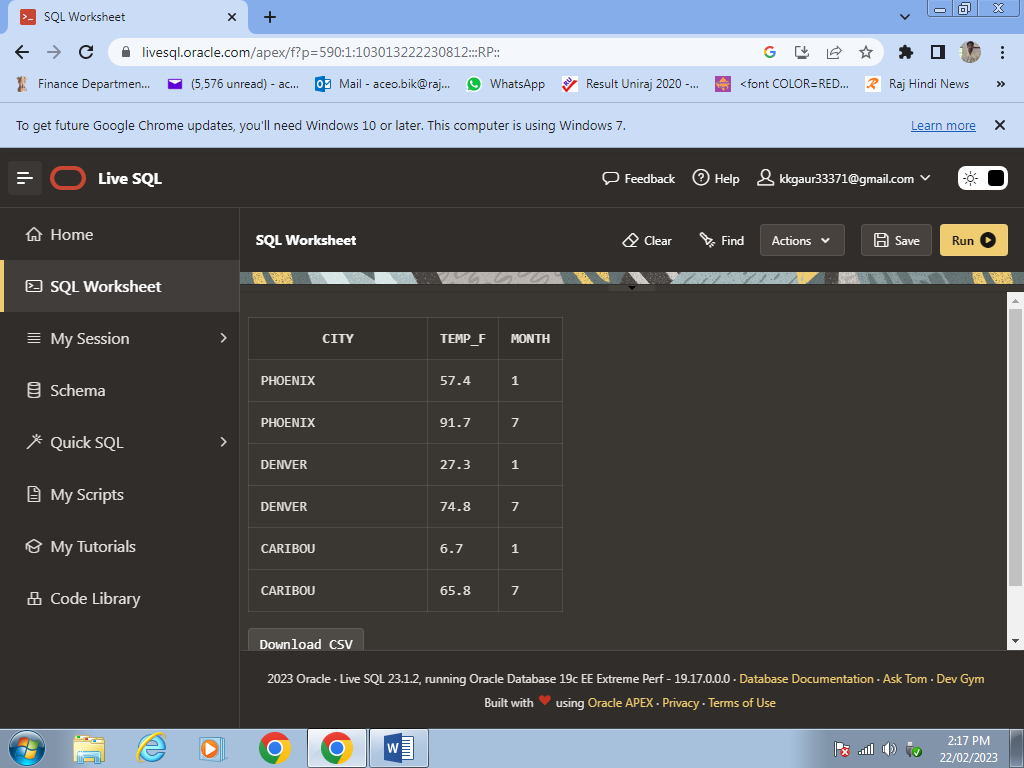
INSERT INTO STATS (ID,MONTH,TEMP\_F,RAIN\_I) VALUES(66,7,65.8,4.52)

SELECT \* FORM STATS



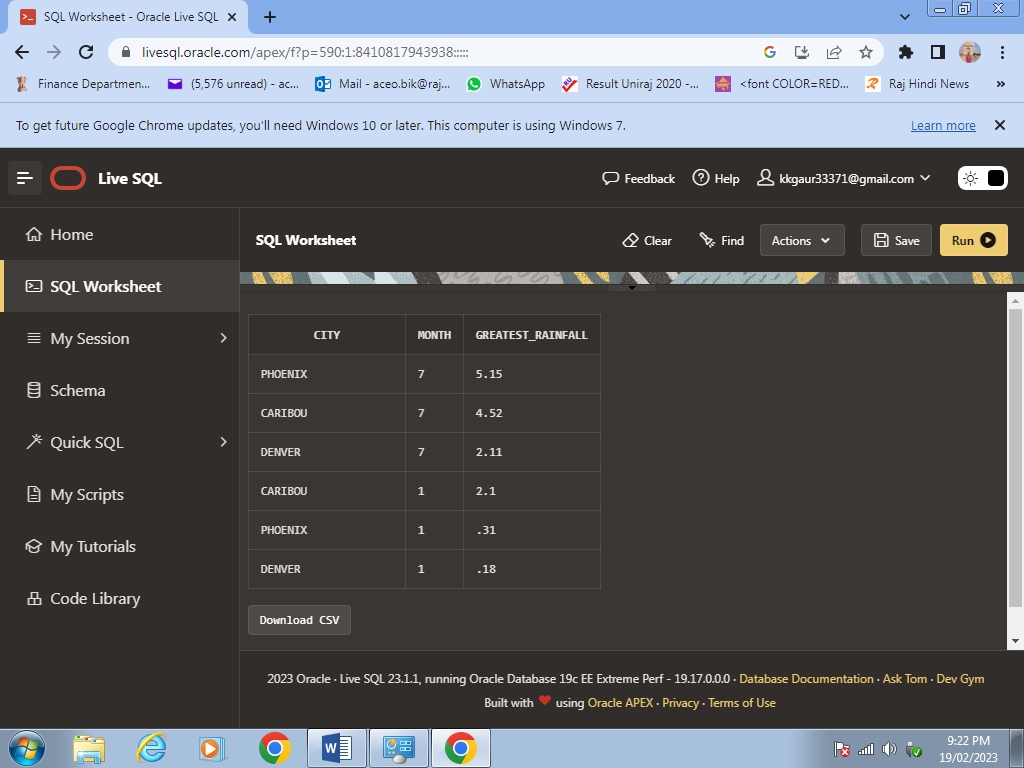
1. SELECT CITY, TEMP\_F, MONTH FROM STATION A INNER JOIN STATS B

ON A.ID = B.ID



1. SELECT CITY,MONTH, RAIN\_I AS GREATEST\_RAINFALL FROM STATION A INNER JOIN STATS B ON A.ID =B.ID

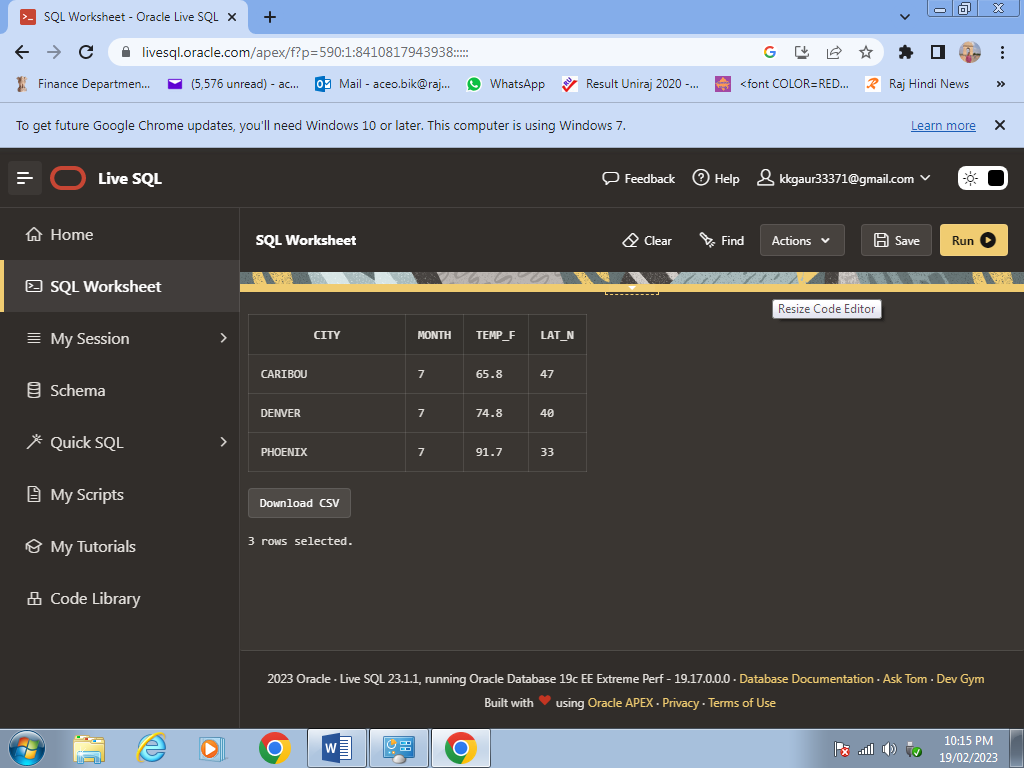
ORDER BY RAIN\_I DESC;



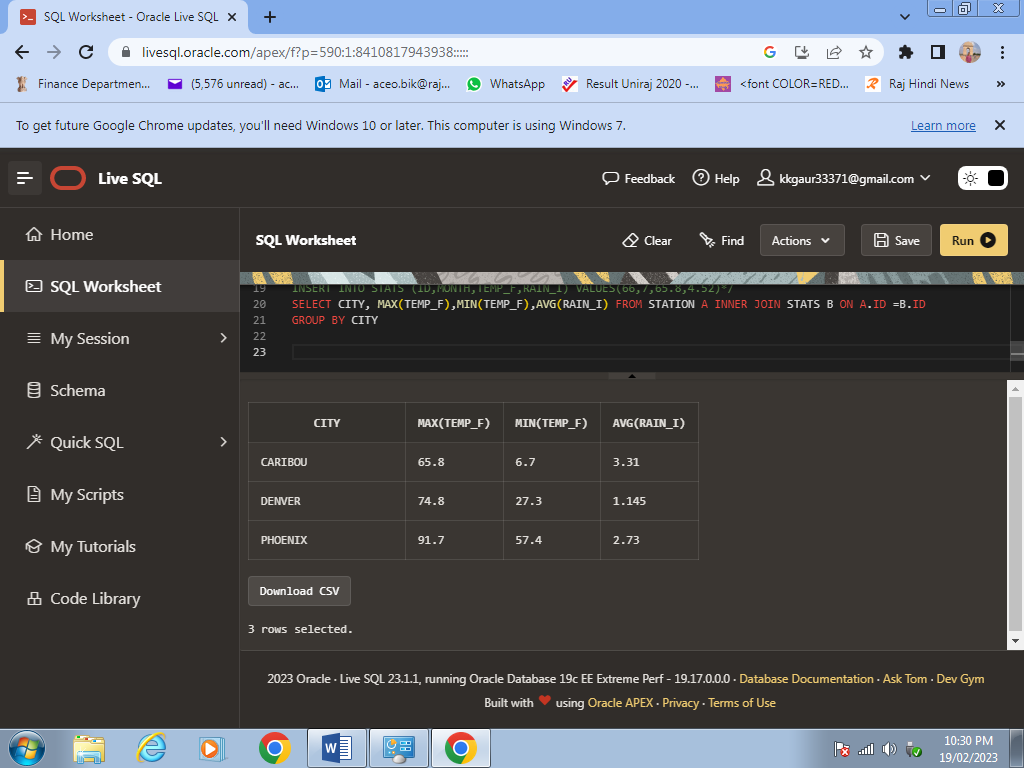
1. SELECT CITY,MONTH , TEMP\_F,LAT\_N FROM STATION A INNER JOIN STATS B ON A.ID =B.ID

WHERE MONTH = '7'

ORDER BY TEMP\_F;



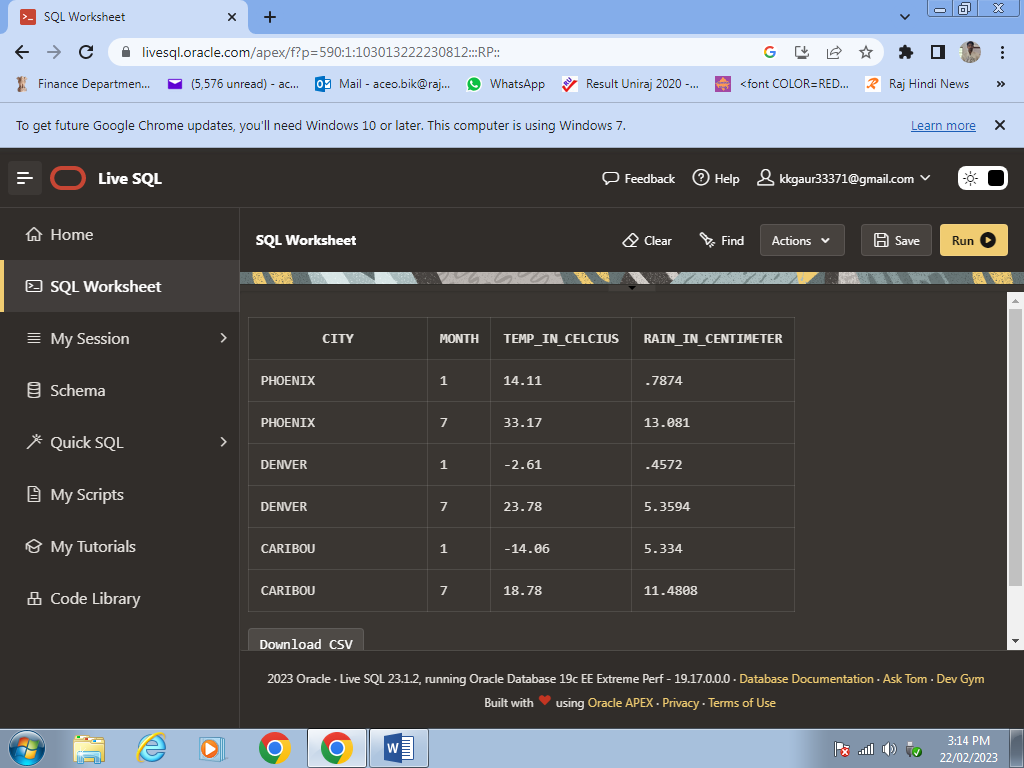
1. SELECT CITY, MAX(TEMP\_F),MIN(TEMP\_F),AVG(RAIN\_I) FROM STATION A INNER JOIN STATS B ON A.ID =B.ID

GROUP BY CITY;

SELECT CITY,MONTH, ROUND((TEMP\_F-32)\*5/9,2) AS TEMP\_IN\_CELCIUS,

**RAIN\_I\*2.54 AS RAIN\_IN\_CENTIMETER FROM**

STATION A INNER JOIN STATS B ON A.ID = B.ID



UPDATE STATS

SET RAIN\_I = RAIN\_I+0.01

WHERE ID = 13

UPDATE STATS

SET RAIN\_I = RAIN\_I+0.01

WHERE ID = 44

UPDATE STATS

SET RAIN\_I = RAIN\_I+0.01

WHERE ID = 66



UPDATE STATS

SET TEMP\_F = '74.9'

WHERE ID= '44' AND MONTH = '7'

SELECT CITY,TEMP\_F ,MONTH FROM STATION A INNER JOIN STATS B ON A.ID = B.ID

WHERE MONTH = '7' AND CITY ='DENVER'

