DROP TABLE friendbook\_comment;

DROP TABLE friendbook\_sizepost;

DROP TABLE friendbook\_author;

/\* CREATION OF TABLE friendbook\_author \*/

CREATE TABLE friendbook\_author(

NAME VARCHAR(20),

ID NUMERIC(20) PRIMARY KEY,

CITY VARCHAR(120) NOT NULL,

COUNTRY VARCHAR(20) NOT NULL,

AGE NUMERIC(20) CHECK(AGE BETWEEN 16 AND 105),

GENDER VARCHAR(20) CHECK(GENDER IN ('MALE','FEMALE'))

);

/\* CREATION OF TABLE friendbook\_sizepost \*/

CREATE TABLE friendbook\_sizepost(

POST VARCHAR(80),

ID NUMERIC(20) PRIMARY KEY,

POSTTYPE VARCHAR(80) CHECK(POSTTYPE IN ('PICTURE','STATUS','VIDEO')),

AUTHOR NUMERIC(20) REFERENCES friendbook\_author(ID)

);

/\* CREATION OF TABLE friendbook\_comment \*/

CREATE TABLE friendbook\_comment(

COMMENT VARCHAR(80),

ID NUMERIC(20) PRIMARY KEY,

COMMENTTYPE VARCHAR(80) CHECK(COMMENTTYPE IN ('PICTURE','STATUS','VIDEO')),

POST NUMERIC(20) REFERENCES friendbook\_sizepost(ID),

AUTHOR NUMERIC(20) REFERENCES friendbook\_author(ID)

);

/\* INSERTION OF VALUES IN TABLE friendbook\_author \*/

INSERT INTO friendbook\_author

VALUES('HIMANSU',1,'KOLKATA','INDIA',20,'MALE')

INSERT INTO friendbook\_author

VALUES('SHALINI',2,'KABUL','AFGHANISTAN',25,'FEMALE')

INSERT INTO friendbook\_author

VALUES('CHANRADEV',3,'DURGAPUR','INDIA',22,'MALE')

INSERT INTO friendbook\_author

VALUES('DEEPAK',4,'HONGKONG','CHINA',18,'MALE')

INSERT INTO friendbook\_author

VALUES('SWATI',5,'KATHMANDU','NEPAL',45,'FEMALE')

INSERT INTO friendbook\_author

VALUES('DIVYA',6,'DURGAPUR','INDIA',20,'FEMALE')

INSERT INTO friendbook\_author

VALUES('ABHINAV',7,'DURGAPUR','INDIA',31,'MALE')

INSERT INTO friendbook\_author

VALUES('ANEESHA',8,'DURGAPUR','INDIA',47,'FEMALE')

INSERT INTO friendbook\_author

VALUES('ALOK',9,'NEW YORK','USA',25,'MALE')

INSERT INTO friendbook\_author

VALUES('ARINATI',10,'KATHMANDU','NEPAL',18,'FEMALE')

INSERT INTO friendbook\_author

VALUES('ARINDAM',11,'HONGKONG','CHINA',25,'MALE')

INSERT INTO friendbook\_author

VALUES('LEONARDO',12,'PARIS','FRANCE',40,'MALE')

INSERT INTO friendbook\_author

VALUES('SHAKIRA',13,'PARIS','FRANCE',16,'FEMALE')

INSERT INTO friendbook\_author

VALUES('PRIYA',14,'KABUL','AFGHANISTAN',46,'FEMALE')

INSERT INTO friendbook\_author

VALUES('KAMAL',15,'DURGAPUR','INDIA',27,'MALE')

INSERT INTO friendbook\_author

VALUES('ISABELLA',16,'DURGAPUR','INDIA',48,'FEMALE')

INSERT INTO friendbook\_author

VALUES('SARITA',17,'DURGAPUR','INDIA',42,'FEMALE')

INSERT INTO friendbook\_author

VALUES('KINGSHUK',18,'MYANMAR','BHUTAN',49,'MALE')

INSERT INTO friendbook\_author

VALUES('KRISHNA',19,'KOLKATA','INDIA',41,'MALE')

INSERT INTO friendbook\_author

VALUES('KRITIKA',20,'HONGKONG','CHINA',23,'FEMALE')

/\* INSERTION INTO TABLE friendbook\_sizepost \*/

INSERT INTO friendbook\_sizepost

VALUES('WELCOME TO MY ACCOUNT',10,'PICTURE',1)

INSERT INTO friendbook\_sizepost

VALUES('HELLO',20,'STATUS',2)

INSERT INTO friendbook\_sizepost

VALUES('WONDERFUL DAY',30,'VIDEO',3)

INSERT INTO friendbook\_sizepost

VALUES('BUSY TODAY',40,'STATUS',4)

INSERT INTO friendbook\_sizepost

VALUES('GOODNIGHT',50,'PICTURE',5)

INSERT INTO friendbook\_sizepost

VALUES('NEW\_LIFE',60,'VIDEO',6)

INSERT INTO friendbook\_sizepost

VALUES('WORK HARD',70,'STATUS',7)

INSERT INTO friendbook\_sizepost

VALUES('CHANGED MYSELF',80,'STATUS',8)

INSERT INTO friendbook\_sizepost

VALUES('WATCH IT',90,'VIDEO',9)

INSERT INTO friendbook\_sizepost

VALUES('BEAUTIFUL',100,'PICTURE',10)

INSERT INTO friendbook\_sizepost

VALUES('LOVE',110,'VIDEO',11)

INSERT INTO friendbook\_sizepost

VALUES('LOOK BEFORE U LEAP',120,'VIDEO',12)

INSERT INTO friendbook\_sizepost

VALUES('KNOWLEDGE IS POWER',130,'STATUS',13)

INSERT INTO friendbook\_sizepost

VALUES('BROKEN HEART',140,'STATUS',14)

INSERT INTO friendbook\_sizepost

VALUES('MOTIVATIONAL',150,'VIDEO',15)

INSERT INTO friendbook\_sizepost

VALUES('LUCKY DAY!',160,'STATUS',16)

INSERT INTO friendbook\_sizepost

VALUES('MISERABLE',170,'PICTURE',17)

INSERT INTO friendbook\_sizepost

VALUES('I AM PROUD OF MY COUNTRY',180,'PICTURE',18)

INSERT INTO friendbook\_sizepost

VALUES('COMPUTER GEEK!!!!',190,'STATUS',19)

INSERT INTO friendbook\_sizepost

VALUES('LOL',200,'VIDEO',20)

INSERT INTO friendbook\_sizepost

VALUES('HELLO WORLD',210,'STATUS',8)

INSERT INTO friendbook\_sizepost

VALUES('HOLIDAY',220,'STATUS',10)

INSERT INTO friendbook\_sizepost

VALUES('VIRUS',230,'PICTURE',12)

INSERT INTO friendbook\_sizepost

VALUES('HALUCINATION',240,'STATUS',12)

INSERT INTO friendbook\_sizepost

VALUES('HEIGHTS!!!!',250,'PICTURE',12)

INSERT INTO friendbook\_sizepost

VALUES('ENJOY',260,'STATUS',12)

INSERT INTO friendbook\_sizepost

VALUES('HAPPY',270,'STATUS',12)

INSERT INTO friendbook\_sizepost

VALUES('HOLLOW INSIDE',280,'PICTURE',12)

INSERT INTO friendbook\_sizepost

VALUES('DIFFICULT TIMES',290,'STATUS',12)

INSERT INTO friendbook\_sizepost

VALUES('DRUNK!',300,'STATUS',12)

INSERT INTO friendbook\_sizepost

VALUES('IN PARIS',310,'STATUS',12)

INSERT INTO friendbook\_sizepost

VALUES('COOKING',320,'VIDEO',12)

INSERT INTO friendbook\_sizepost

VALUES('FAVOURITE PET?',330,'PICTURE',12)

INSERT INTO friendbook\_sizepost

VALUES('MEMORIAL VIDEO',340,'VIDEO',12)

INSERT INTO friendbook\_sizepost

VALUES('GOING TO WORKSHOP',350,'STATUS',12)

INSERT INTO friendbook\_sizepost

VALUES('NICE SONG',360,'STATUS',12)

INSERT INTO friendbook\_sizepost

VALUES('GREAT MOVIE',370,'STATUS',12)

INSERT INTO friendbook\_sizepost

VALUES('SWEET HOME!',380,'PICTURE',12)

INSERT INTO friendbook\_sizepost

VALUES('BACK IN HOME',390,'VIDEO',12)

INSERT INTO friendbook\_sizepost

VALUES('NERD!',400,'VIDEO',12)

INSERT INTO friendbook\_sizepost

VALUES('LOL',410,'VIDEO',12)

INSERT INTO friendbook\_sizepost

VALUES('!!!!!HELLO',420,'STATUS',12)

INSERT INTO friendbook\_sizepost

VALUES('HOLIDAY AGAIN',430,'STATUS',12)

INSERT INTO friendbook\_sizepost

VALUES('MARRIED!',440,'VIDEO',12)

INSERT INTO friendbook\_sizepost

VALUES('BUSY IN GERMANY',450,'STATUS',12)

INSERT INTO friendbook\_sizepost

VALUES('ILLOGICAL STORY',460,'VIDEO',12)

INSERT INTO friendbook\_sizepost

VALUES('PERFORMANCE',470,'PICTURE',12)

INSERT INTO friendbook\_sizepost

VALUES('GREATEST GIFT',480,'PICTURE',12)

/\* INSERTION INTO TABLE friendbook\_comment \*/

INSERT INTO friendbook\_comment

VALUES('QUITE IMPRESSIVE',10000,'PICTURE',10,1)

INSERT INTO friendbook\_comment

VALUES('HAI!',20000,'STATUS',20,2)

INSERT INTO friendbook\_comment

VALUES('BEAUTIFUL WEATHER',30000,'PICTURE',30,3)

INSERT INTO friendbook\_comment

VALUES('TALK LATER',40000,'STATUS',40,4)

INSERT INTO friendbook\_comment

VALUES('GOOD MORNING',50000,'STATUS',50,5)

INSERT INTO friendbook\_comment

VALUES('LIFE AFTER DEATH!',60000,'VIDEO',60,6)

INSERT INTO friendbook\_comment

VALUES('LAZY AND SLEEPY',70000,'STATUS',70,7)

INSERT INTO friendbook\_comment

VALUES('A NEW BEING',80000,'STATUS',80,8)

INSERT INTO friendbook\_comment

VALUES('LOVED THE VIDEO',90000,'STATUS',90,9)

INSERT INTO friendbook\_comment

VALUES('DELICIOUS',100000,'STATUS',100,10)

INSERT INTO friendbook\_comment

VALUES('I LOVE MYSELF',110000,'PICTURE',110,11)

INSERT INTO friendbook\_comment

VALUES('REMOVE MY PIC',120000,'VIDEO',120,12)

INSERT INTO friendbook\_comment

VALUES('DELICIOUS',130000,'PICTURE',130,13)

INSERT INTO friendbook\_comment

VALUES('FEELING SAD',140000,'STATUS',140,14)

INSERT INTO friendbook\_comment

VALUES('MUST WATCH',150000,'VIDEO',150,15)

INSERT INTO friendbook\_comment

VALUES('FORTUNE ON MY SIDE',160000,'STATUS',160,16)

INSERT INTO friendbook\_comment

VALUES('TERRIBLE CONDITION OF MY HOME',170000,'PICTURE',170,17)

INSERT INTO friendbook\_comment

VALUES('SINGING NATIONAL ANTHEM',180000,'STATUS',180,18)

INSERT INTO friendbook\_comment

VALUES('ADDICTED TO CODING',190000,'VIDEO',190,19)

INSERT INTO friendbook\_comment

VALUES('LAUGHING A LOT!!!',200000,'PICTURE',200,20)

INSERT INTO friendbook\_comment

VALUES('HELLO',210000,'PICTURE',210,8)

INSERT INTO friendbook\_comment

VALUES('MR BEAN HOLIDAY-GREAT MOVIE!!! MUST WATCH',220000,'PICTURE',220,10)

INSERT INTO friendbook\_comment

VALUES('TROJAN VIRUS ATTACKED COMPUTER',230000,'PICTURE',230,10)

INSERT INTO friendbook\_comment

VALUES('FEELING DIZZY',240000,'PICTURE',240,8)

INSERT INTO friendbook\_comment

VALUES('ON AN AEROPLANE',250000,'PICTURE',250,1)

INSERT INTO friendbook\_comment

VALUES('GREAT COFFEE',260000,'VIDEO',260,2)

INSERT INTO friendbook\_comment

VALUES('SMILE ALWAYS',270000,'PICTURE',270,4)

INSERT INTO friendbook\_comment

VALUES('ALL THAT GLITTERS IS NOT GOLD',280000,'STATUS',280,3)

INSERT INTO friendbook\_comment

VALUES('UPS AND DOWNS IN LIFE',290000,'STATUS',290,6)

INSERT INTO friendbook\_comment

VALUES('UNCONSCIOUS',300000,'VIDEO',300,11)

INSERT INTO friendbook\_comment

VALUES('ENJOYING TIME',310000,'VIDEO',310,13)

INSERT INTO friendbook\_comment

VALUES('FAVOURITE HOBBY',320000,'VIDEO',320,15)

INSERT INTO friendbook\_comment

VALUES('DOG IS VERY FAITHFUL',330000,'VIDEO',330,12)

INSERT INTO friendbook\_comment

VALUES('MY CHILDHOOD',340000,'VIDEO',340,13)

INSERT INTO friendbook\_comment

VALUES('LEARNING MYSQL',350000,'STATUS',350,15)

INSERT INTO friendbook\_comment

VALUES('ARIJIT SINGH ROCKS!!',360000,'VIDEO',360,13)

INSERT INTO friendbook\_comment

VALUES('MUST WATCH',370000,'VIDEO',370,15)

INSERT INTO friendbook\_comment

VALUES('BEAUTIFULLY DECORATTED',380000,'VIDEO',380,13)

INSERT INTO friendbook\_comment

VALUES('SAFEST PLACE',390000,'STATUS',390,15)

INSERT INTO friendbook\_comment

VALUES('I HATE NERDS',400000,'PICTURE',400,20)

INSERT INTO friendbook\_comment

VALUES('LAUGHING OUT LOUD',410000,'STATUS',410,20)

INSERT INTO friendbook\_comment

VALUES('HI!',420000,'PICTURE',420,2)

INSERT INTO friendbook\_comment

VALUES('FOR BUSINESS TRIPS!!',430000,'STATUS',430,13)

INSERT INTO friendbook\_comment

VALUES('LOVING WIFE!!!',440000,'PICTURE',440,12)

INSERT INTO friendbook\_comment

VALUES('MEETING??',450000,'STATUS',450,12)

INSERT INTO friendbook\_comment

VALUES('STUPID EXCUSE',460000,'STATUS',460,12)

INSERT INTO friendbook\_comment

VALUES('EXCELLENT',470000,'STATUS',470,12)

INSERT INTO friendbook\_comment

VALUES('CANNOT BE BROUGHT FROM MONEY!',480000,'VIDEO',480,12)

/\* QUERY 1 \*/

SELECT DISTINCT A.NAME

FROM friendbook\_author A,friendbook\_sizepost B

WHERE A.ID=B.AUTHOR AND LEN(B.POST)<10

ORDER BY A.NAME

/\* QUERY 2 \*/

SELECT DISTINCT A.NAME

FROM friendbook\_author A

WHERE A.ID IN( SELECT B.AUTHOR

FROM friendbook\_sizepost B,friendbook\_comment C

WHERE B.ID=C.POST

GROUP BY B.AUTHOR

HAVING COUNT(B.POST)+COUNT(C.COMMENT)>30)

/\* QUERY 3 \*/

SELECT A.NAME

FROM friendbook\_sizepost B,friendbook\_author A

WHERE B.AUTHOR=A.ID

GROUP BY A.NAME

ORDER BY COUNT(B.AUTHOR) ASC

/\* QUERY 4 \*/

SELECT A.NAME,B.POST,C.COMMENT

FROM friendbook\_author A,friendbook\_sizepost B,friendbook\_comment C

WHERE B.ID=C.POST AND A.ID=B.AUTHOR AND A.NAME LIKE 'A%'

/\* QUERY 5 \*/

SELECT A.CITY,A.COUNTRY

FROM friendbook\_author A,friendbook\_sizepost B

WHERE A.ID=B.AUTHOR AND B.POST LIKE '%HELLO%'

/\* QUERY 6 \*/

SELECT C.COMMENT

FROM friendbook\_comment C

WHERE AUTHOR IN (SELECT A.ID

FROM friendbook\_author A

WHERE A.AGE<=30)

AND POST IN (SELECT B.ID

FROM friendbook\_author A,friendbook\_sizepost B

WHERE A.ID=B.AUTHOR AND A.NAME='LEONARDO')

/\* QUERY 7 \*/

SELECT C.COMMENT

FROM friendbook\_comment C

WHERE AUTHOR IN (SELECT A.ID

FROM friendbook\_author A

WHERE A.GENDER='FEMALE')

AND POST IN (SELECT B.ID

FROM friendbook\_author A,friendbook\_sizepost B

WHERE A.ID=B.AUTHOR AND A.CITY='DURGAPUR' AND A.COUNTRY='INDIA')

/\* QUERY 8 \*/

ALTER TABLE friendbook\_author

ADD ADDRES VARCHAR(20)

UPDATE friendbook\_author

SET ADDRES='HOME'

WHERE AGE< 30

UPDATE friendbook\_author

SET ADDRES='OFFICE'

WHERE AGE> 30

SELECT \*

FROM friendbook\_author