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CIND119 - Assignment 2

#1) Create a database called “sample”

* Please find attached screenshot

#2)

CREATE TABLE test\_data (

class BOOLEAN,

age INTEGER,

menopause VARCHAR (20),

tumor\_size INTEGER,

node\_caps BOOLEAN,

deg\_malig INTEGER,

breast CHAR (20),

breast\_quad VARCHAR (20),

irradiat BOOLEAN

);

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('NO',35,'premeno',31,'no',3,'left','left\_low','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('NO',42,'premeno',22,'no',2,'right','right\_up','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('NO',30,'premeno',23,'no',2,'left','left\_low','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('NO',61,'ge40',16,'no',2,'right','left\_up','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('NO',45,'premeno',2,'no',2,'right','right\_low','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('NO',64,'ge40',17,'no',2,'left','left\_low','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('NO',52,'premeno',27,'no',2,'left','left\_low','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('NO',67,'ge40',21,'no',1,'left','left\_low','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('YES',41,'premeno',52,'no',2,'left','left\_low','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('YES',43,'premeno',22,'no',2,'right','left\_up','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('YES',41,'premeno',1,'no',3,'left','central','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('YES',44,'ge40',27,'no',2,'left','left\_low','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('YES',61,'lt40',14,'no',1,'left','right\_up','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('YES',55,'ge40',26,'no',3,'left','right\_up','no');

INSERT INTO test\_data (class,age,menopause,tumor\_size,node\_caps,deg\_malig,breast,breast\_quad,irradiat) VALUES ('YES',44,'premeno',32,'no',3,'left','left\_up','no');

#3)a,b,c,d,e respectively

SELECT\* FROM test\_data WHERE menopause = "ge40";

SELECT \* FROM test\_data WHERE age < 41;

SELECT \* FROM test\_data WHERE (menopause ="ge40" AND age<41);

SELECT AVG(age) FROM test\_data;

SELECT AVG(age) FROM test\_data WHERE deg\_malig =3;