

//create the database

create database myResidence\_DB;

//create a table for the residences

CREATE TABLE residence (

    residence\_ID            INTEGER NOT NULL,  
    living\_style            VARCHAR(255)    CHECK(living\_style = "Residence Hall" or  
living\_style = "Apartment" or living\_style = "Townhouse"),  
    room\_type               VARCHAR(225)    CHECK(room\_type = "Double" or  
room\_type = "Basic Single" or room\_type = "Single"),  
    residence\_price          INTEGER NOT NULL,  
    residence\_address        VARCHAR(255),  
    has\_mealplan              BOOLEAN,  
    student\_usernames        VARCHAR(255),  
    PRIMARY KEY (residence\_ID)  
);

//create a table for the students

CREATE TABLE student (

    student\_username  CHAR(8)    NOT NULL,  
    student\_password  VARCHAR(255) NOT NULL,  
    student\_email      CHAR(21) NOT NULL,  
    student\_name       VARCHAR(255) NOT NULL,  
    year\_num           INTEGER NOT NULL,  
    residence\_ID       INTEGER,  
    PRIMARY KEY (student\_username),  
    FOREIGN KEY (residence\_ID) REFERENCES residence (residence\_ID)  
        ON UPDATE CASCADE ON DELETE SET NULL  
);

//create a table for the managers

CREATE TABLE manager (

    manager\_username    CHAR(8)    NOT NULL,  
    manager\_password      VARCHAR(255) NOT NULL,  
    manager\_email        CHAR(21) NOT NULL,  
    manager\_name          VARCHAR(255) NOT NULL,  
    PRIMARY KEY (manager\_username)  
);

//insert values students into the table

INSERT INTO student VALUES ('lfederle', 'password', 'lfederle@lakeheadu.ca', 'Lukas Federle', 3 , NULL);

INSERT INTO student VALUES ('jmwillia', 'joseph', 'jmwillia@lakeheadu.ca', 'Joseph Williams', 4 , NULL);

INSERT INTO student VALUES ('paramsey', 'doglover2', 'paramsey@lakeheadu.ca', 'Paul Ramsey', 4 , NULL);

INSERT INTO student VALUES ('antburke', 'Up@efVf', 'antburke@lakeheadu.ca', 'Antonio Burke', 3 , NULL);

INSERT INTO student VALUES ('stejones', 'anej772', 'stejones@lakeheadu.ca', 'Stuart Jones', 5 , NULL);

INSERT INTO student VALUES ('mpawadis', '37pawMK4', 'mpawadis@lakeheadu.ca', 'Mark Pawadis', 3 , NULL);

INSERT INTO student VALUES ('jasxnlui', 'soccer98', 'jasxnlui@lakeheadu.ca', 'Jason Lui', 5 , NULL);

INSERT INTO student VALUES ('pelechoi', 'sunriseJX', 'pelechoi@lakeheadu.ca', 'Pearce Choi', 1 , NULL);

INSERT INTO student VALUES ('vicayers', '99nitro39', 'vicayers@lakeheadu.ca', 'Victor Ayers', 1 , NULL);

INSERT INTO student VALUES ('kmcguire', 'bestnail85', 'kmcguire@lakeheadu.ca', 'Kyle Mcguire', 2 , NULL);

INSERT INTO student VALUES ('stjakhan', '=ancyLine49', 'stjakhan@lakeheadu.ca', 'Sterling Khan', 1 , NULL);

INSERT INTO student VALUES ('amadhali', 'lo1ngsign3', 'amadhali@lakeheadu.ca', 'Ahmed Ali', 2 , NULL);

INSERT INTO student VALUES ('sastephe', 'd@rkPanda95', 'sastephe@lakeheadu.ca', 'Sal Stephens', 2 , NULL);

INSERT INTO student VALUES ('byburnet', 'oldJ@guar56', 'byburnet@lakeheadu.ca', 'Bruno Burnett', 1 , NULL);

INSERT INTO student VALUES ('cmdpitts', 'wildLl@ma24', 'cmdpitts@lakeheadu.ca', 'Christopher Pitts', 2 , NULL);

INSERT INTO student VALUES ('lataimer', 'kin)Wing60', 'lataimer@lakeheadu.ca', 'Lauren Aimer', 5 , NULL);

INSERT INTO student VALUES ('erjacobs', 'pass', 'erjacobs@lakeheadu.ca', 'Emily Jacobs', 3 , NULL);

INSERT INTO student VALUES ('altrios', 'annerios1', 'altrios@lakeheadu.ca', 'Anne Rios', 4 , NULL);

INSERT INTO student VALUES ('cjbolton', '20bolt01', 'cjbolton@lakeheadu.ca', 'Cecile Bolton', 3 , NULL);

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INSERT INTO student VALUES ('sajcorte', 'fifCZ8', 'sajcorte@lakeheadu.ca', 'Sue Cortez', 3 ,
NULL);
INSERT INTO student VALUES ('jastyork', 'badPar<59', 'jastyork@lakeheadu.ca', 'Jasmine
York', 3 , NULL);
INSERT INTO student VALUES ('marleiyu', 'clxxd3shn', 'marleiyu@lakeheadu.ca', 'Marie Yu', 4
, NULL);
INSERT INTO student VALUES ('karpears', 'fntcpe1', 'karpears@lakeheadu.ca', 'Kayla Pearson',
4 , NULL);
INSERT INTO student VALUES ('mglfishe', 'be$tFish', 'mglfishe@lakeheadu.ca', 'Megean
Fisher', 2 , NULL);
INSERT INTO student VALUES ('hzcallah', 'hcally03', 'hzcallah@lakeheadu.ca', 'Hazel
Callahan', 1 , NULL);
INSERT INTO student VALUES ('llymchen', 'lillflow1', 'llymchen@lakeheadu.ca', 'Lily Chen', 2
, NULL);
INSERT INTO student VALUES ('vwsavery', '11viv@', 'vwsavery@lakeheadu.ca', 'Vivian
Avery', 1, NULL);
INSERT INTO student VALUES ('fpcarter', 'dar<S', 'fpcarter@lakeheadu.ca', 'Faith Carter', 1 ,
NULL);
INSERT INTO student VALUES ('erbyoung', 'yyed83s', 'erbyoung@lakeheadu.ca', 'Erin Young',
1 , NULL);
INSERT INTO student VALUES ('clxlsims', '>simbi20', 'clxlsims@lakeheadu.ca', 'Caitlyn Sims',
2 , NULL);

```

//insert managers into the table

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INSERT INTO manager VALUES ('manlfede', 'FEDmanager3', 'lukas.federle@gmail.com',
'Lukas Federle');
INSERT INTO manager VALUES ('mjrichar', '808<rich>', 'mjrichar@lakeheadu.ca', 'Matthew
Richard');
INSERT INTO manager VALUES ('jmlavoie', 'xkqLAV20', 'jmlavoie@lakeheadu.ca', 'Jacob
Lavoie');
INSERT INTO manager VALUES ('snsousa', 'SxSsoux', 'snsousa@lakeheadu.ca', 'Samuel
Sousa');

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//insert basic single rooms into the residence table

INSERT INTO residence VALUES (1001, 'Residence Hall', 'Basic Single', 11196, 'Bartley Residence Bartley Cir' , TRUE, NULL);

INSERT INTO residence VALUES (1002, 'Residence Hall', 'Basic Single', 11196, 'Bartley Residence Bartley Cir' , TRUE, NULL);

INSERT INTO residence VALUES (1003, 'Residence Hall', 'Basic Single', 11196, 'Bartley Residence Bartley Cir' , TRUE, NULL);

INSERT INTO residence VALUES (1004, 'Residence Hall', 'Basic Single', 11196, 'Bartley Residence Bartley Cir' , TRUE, NULL);

INSERT INTO residence VALUES (1101, 'Residence Hall', 'Basic Single', 11196, 'Prettie Residence Lakehead University Dr N' , TRUE, NULL);

INSERT INTO residence VALUES (1102, 'Residence Hall', 'Basic Single', 11196, 'Prettie Residence Lakehead University Dr N' , TRUE, NULL);

INSERT INTO residence VALUES (1103, 'Residence Hall', 'Basic Single', 11196, 'Prettie Residence Lakehead University Dr N' , TRUE, NULL);

//insert single rooms into the residence table

INSERT INTO residence VALUES (1005, 'Residence Hall', 'Single', 12395, 'Bartley Residence Bartley Cir' , TRUE, NULL);

INSERT INTO residence VALUES (1006, 'Residence Hall', 'Single', 12395, 'Bartley Residence Bartley Cir' , TRUE, NULL);

INSERT INTO residence VALUES (1007, 'Residence Hall', 'Single', 12395, 'Bartley Residence Bartley Cir' , TRUE, NULL);

INSERT INTO residence VALUES (1104, 'Residence Hall', 'Single', 12395, 'Prettie Residence Lakehead University Dr N' , TRUE, NULL);

INSERT INTO residence VALUES (1105, 'Residence Hall', 'Single', 12395, 'Prettie Residence Lakehead University Dr N' , TRUE, NULL);

INSERT INTO residence VALUES (1106, 'Residence Hall', 'Single', 12395, 'Prettie Residence Lakehead University Dr N' , TRUE, NULL);

INSERT INTO residence VALUES (1107, 'Residence Hall', 'Single', 12395, 'Prettie Residence Lakehead University Dr N' , TRUE, NULL);

//insert double rooms into the residence table

INSERT INTO residence VALUES (1008, 'Residence Hall', 'Double', 10235, 'Bartley Residence Bartley Cir' , TRUE, NULL);

INSERT INTO residence VALUES (1009, 'Residence Hall', 'Double', 10235, 'Bartley Residence Bartley Cir' , TRUE, NULL);

INSERT INTO residence VALUES (1010, 'Residence Hall', 'Double', 10235, 'Bartley Residence Bartley Cir' , TRUE, NULL);

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INSERT INTO residence VALUES (1108, 'Residence Hall', 'Double', 10235, 'Prettie Residence  
Lakehead University Dr N' , TRUE, NULL);
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INSERT INTO residence VALUES (1109, 'Residence Hall', 'Double', 10235, 'Prettie Residence  
Lakehead University Dr N' , TRUE, NULL);
```

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//insert townhouses into the residence table
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INSERT INTO residence VALUES (4001, 'Townhouse', 'Single', 7982, '100 Deer Lake Rd' ,  
FALSE, NULL);
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INSERT INTO residence VALUES (4002, 'Townhouse', 'Single', 7982, '103 Deer Lake Rd' ,  
FALSE, NULL);
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```
INSERT INTO residence VALUES (4003, 'Townhouse', 'Single', 7982, '105 Deer Lake Rd' ,  
FALSE, NULL);
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//insert apartments into the residence table
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INSERT INTO residence VALUES (4101, 'Apartment', 'Single', 7571, '223 North Spirit Rd' ,  
FALSE, NULL);
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INSERT INTO residence VALUES (4102, 'Apartment', 'Single', 7571, '225 North Spirit Rd' ,  
FALSE, NULL);
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```
INSERT INTO residence VALUES (4103, 'Apartment', 'Single', 7571, '227 North Spirit Rd' ,  
FALSE, NULL);
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