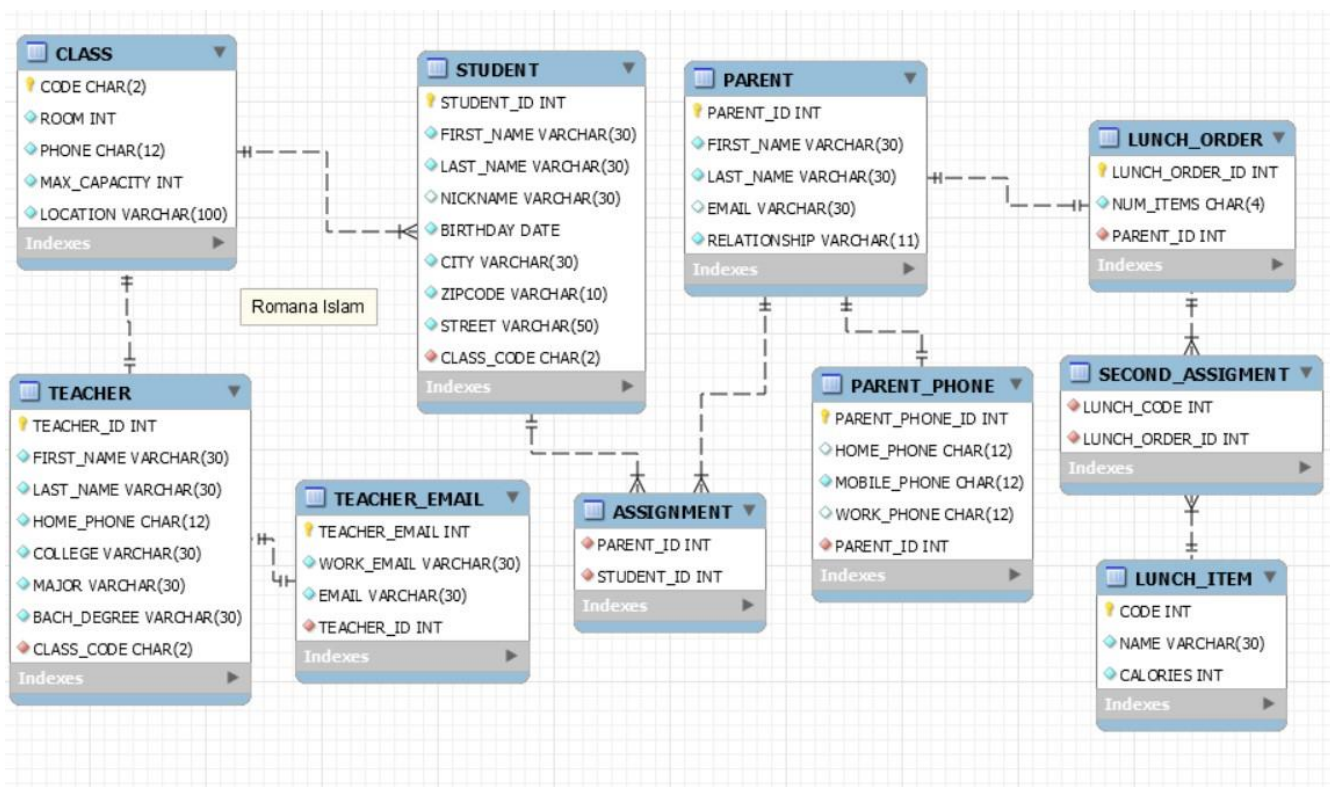
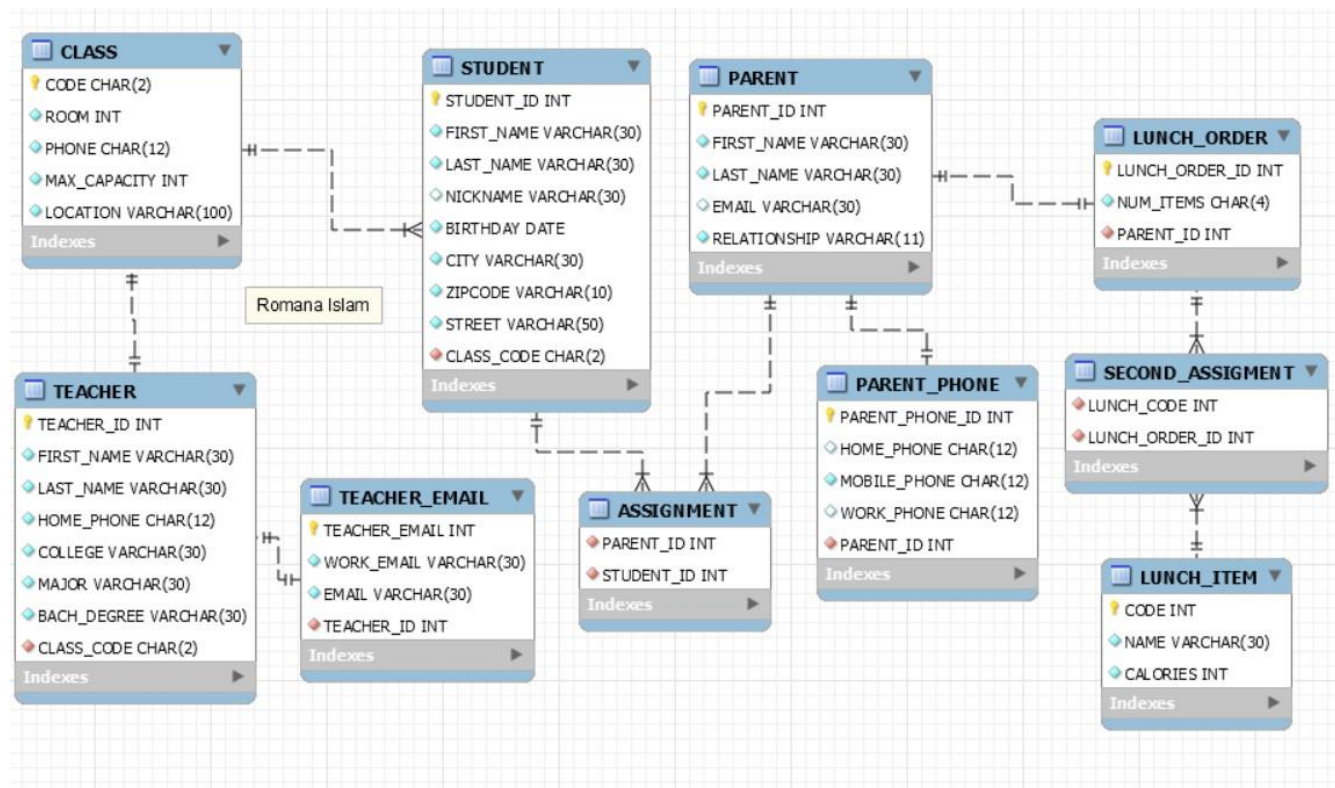


Project 4 Database Queries

I implemented a small database and asked simple queries. I used and updated the data from Project 3 and Part 2.



Task 1 – ERD Model



Task 2 – Create database

```
# Task 2 Create database by Romana Islam
CREATE DATABASE HAPPY_LEARNING;
USE HAPPY_LEARNING;
SHOW DATABASES;
```

Result Grid	Filter Rows:
Database	
happy_learning	
information_schema	
mysql	
performance_schema	
soccer_league	
sys	

Task 3 – Create tables

Task 3 - Create tables by Romana Islam

```
SHOW TABLES;
CREATE TABLE CLASS (CODE CHAR(2) PRIMARY KEY, ROOM INT NOT NULL UNIQUE, PHONE CHAR(12) NOT NULL UNIQUE, MAX_CAPACITY INT NOT NULL, LOCATION VARCHAR(100) NOT NULL);
CREATE TABLE STUDENT (STUDENT_ID INT PRIMARY KEY, FIRST_NAME VARCHAR(30) NOT NULL, LAST_NAME VARCHAR(30) NOT NULL, NICKNAME VARCHAR(30), BIRTHDAY DATE NOT NULL, STREET VARCHAR(50) NOT NULL, CITY VARCHAR(30) NOT NULL, ZIPCODE VARCHAR(10) NOT NULL, CLASS_CODE CHAR(2) NOT NULL, FOREIGN KEY(CLASS_CODE) REFERENCES CLASS(CODE));
CREATE TABLE TEACHER (TEACHER_ID INT PRIMARY KEY, FIRST_NAME VARCHAR(30) NOT NULL, LAST_NAME VARCHAR(30) NOT NULL, HOME_PHONE CHAR(12) NOT NULL, WORK_PHONE CHAR(12), MOBILE_PHONE CHAR(12) NOT NULL UNIQUE);
CREATE TABLE TEACHER_EMAIL (WORK_EMAIL VARCHAR(30) NOT NULL UNIQUE, EMAIL VARCHAR(30) NOT NULL UNIQUE, TEACHER_ID INT NOT NULL, FOREIGN KEY(TEACHER_ID) REFERENCES TEACHER(TEACHER_ID));
CREATE TABLE PARENT (PARENT_ID INT PRIMARY KEY, FIRST_NAME VARCHAR(30) NOT NULL, LAST_NAME VARCHAR(30) NOT NULL, EMAIL VARCHAR(30) UNIQUE, RELATIONSHIP VARCHAR(11) NOT NULL);
CREATE TABLE PARENT_PHONE (PARENT_PHONE_ID INT PRIMARY KEY, HOME_PHONE CHAR(12), MOBILE_PHONE CHAR(12) NOT NULL UNIQUE, WORK_PHONE CHAR(12), PARENT_ID INT NOT NULL, FOREIGN KEY(PARENT_ID) REFERENCES PARENT(PARENT_ID));
CREATE TABLE ASSIGNMENT (PARENT_ID INT NOT NULL, STUDENT_ID INT NOT NULL, FOREIGN KEY(PARENT_ID) REFERENCES PARENT(PARENT_ID), FOREIGN KEY(STUDENT_ID) REFERENCES STUDENT(STUDENT_ID));
CREATE TABLE LUNCH_ORDER (LUNCH_ORDER_ID INT PRIMARY KEY, NUM_ITEMS CHAR(4), PARENT_ID INT NOT NULL, FOREIGN KEY(PARENT_ID) REFERENCES PARENT(PARENT_ID));
CREATE TABLE LUNCH_ITEM (CODE INT PRIMARY KEY, NAME VARCHAR(30), CALORIES INT);
CREATE TABLE SECOND_ASSIGNMENT (LUNCH_ORDER_ID INT NOT NULL, LUNCH_CODE INT NOT NULL, FOREIGN KEY(LUNCH_ORDER_ID) REFERENCES LUNCH_ORDER(LUNCH_ORDER_ID), FOREIGN KEY(LUNCH_CODE) REFERENCES LUNCH_ITEM(CODE));
SHOW TABLES;
DESCRIBE CLASS;
DESCRIBE STUDENT;
DESCRIBE TEACHER;
DESCRIBE TEACHER_EMAIL;
DESCRIBE PARENT;
DESCRIBE PARENT_PHONE;
DESCRIBE LUNCH_ORDER;
DESCRIBE LUNCH_ITEM;
DESCRIBE SECOND_ASSIGNMENT;
```

```
ARCHAR(100) NOT NULL);
HDAY DATE NOT NULL, STREET VARCHAR(50) NOT NULL, CITY VARCHAR(30) NOT NULL, ZIPCODE VARCHAR(10) NOT NULL, CLASS_CODE CHAR(2) NOT NULL, FOREIGN KEY(CLASS_CODE) REFERENCES CLASS(CODE));
LL, COLLEGE VARCHAR(30) NOT NULL, MAJOR VARCHAR(30) NOT NULL, BACH_DEGREE VARCHAR(30) NOT NULL, CLASS_CODE CHAR(2) NOT NULL, FOREIGN KEY(CLASS_CODE) REFERENCES CLASS(CODE));
EACHER_ID) REFERENCES TEACHER(TEACHER_ID));
LATIONSHIP VARCHAR(11) NOT NULL);
PARENT_ID INT NOT NULL, FOREIGN KEY(PARENT_ID) REFERENCES PARENT(PARENT_ID));
UDENT_ID) REFERENCES STUDENT(STUDENT_ID));
(PARENT_ID));

H_ORDER_ID), FOREIGN KEY(LUNCH_CODE) REFERENCES LUNCH_ITEM(CODE));

JT NULL, CITY VARCHAR(30) NOT NULL, ZIPCODE VARCHAR(10) NOT NULL, CLASS_CODE CHAR(2) NOT NULL, FOREIGN KEY(CLASS_CODE) REFERENCES CLASS(CODE));
/ARCHAR(30) NOT NULL, BACH_DEGREE VARCHAR(30) NOT NULL, CLASS_CODE CHAR(2) NOT NULL, FOREIGN KEY(CLASS_CODE) REFERENCES CLASS(CODE));
));

VT_ID) REFERENCES PARENT(PARENT_ID));
);



RENCES LUNCH_ITEM(CODE));
```

Result Grid Filter Rows:


Tables_in_happy_learning



Field	Type	Null	Key	Default	Extra
CODE	char(2)	NO	PRI	NULL	
ROOM	int	NO	UNI	NULL	
PHONE	char(12)	NO	UNI	NULL	
MAX_CAPACITY	int	NO		NULL	
LOCATION	varchar(100)	NO		NULL	



Result Grid	Filter Rows:
Tables_in_happy_learning	
assignment	
class	
lunch_item	
lunch_order	
parent	
parent_phone	
second_assignment	
student	
teacher	
teacher_email	



Result Grid  Filter Rows: <input type="text"/> Export:  Wrap						
	Field	Type	Null	Key	Default	Extra
▶	STUDENT_ID	int	NO	PRI	NULL	
	FIRST_NAME	varchar(30)	NO		NULL	
	LAST_NAME	varchar(30)	NO		NULL	
	NICKNAME	varchar(30)	YES		NULL	
	BIRTHDAY	date	NO		NULL	
	STREET	varchar(50)	NO		NULL	
	CITY	varchar(30)	NO		NULL	
	ZIPCODE	varchar(10)	NO		NULL	
	CLASS_CODE	char(2)	NO	MUL	NULL	



Result Grid  Filter Rows: <input type="text"/> Export:  Wrap C						
	Field	Type	Null	Key	Default	Extra
▶	TEACHER_ID	int	NO	PRI	NULL	
	FIRST_NAME	varchar(30)	NO		NULL	
	LAST_NAME	varchar(30)	NO		NULL	
	HOME_PHONE	char(12)	NO		NULL	
	COLLEGE	varchar(30)	NO		NULL	
	MAJOR	varchar(30)	NO		NULL	
	BACH_DEGREE	varchar(30)	NO		NULL	
	CLASS_CODE	char(2)	NO	MUL	NULL	



Result Grid  Filter Rows: <input type="text"/> Export:  Wrap						
	Field	Type	Null	Key	Default	Extra
▶	WORK_EMAIL	varchar(30)	NO	PRI	NULL	
	EMAIL	varchar(30)	NO	UNI	NULL	
	TEACHER_ID	int	NO	MUL	NULL	

Result Grid  Filter Rows: <input type="text"/> Export:  Wrap C						
	Field	Type	Null	Key	Default	Extra
▶	PARENT_ID	int	NO	PRI	NULL	
	FIRST_NAME	varchar(30)	NO		NULL	
	LAST_NAME	varchar(30)	NO		NULL	
	EMAIL	varchar(30)	YES	UNI	NULL	
	RELATIONSHIP	varchar(11)	NO		NULL	

Result Grid  Filter Rows: <input type="text"/> Export:  Wrap C						
	Field	Type	Null	Key	Default	Extra
▶	PARENT_PHONE_ID	int	NO	PRI	NULL	
	HOME_PHONE	char(12)	YES		NULL	
	MOBILE_PHONE	char(12)	NO	UNI	NULL	
	WORK_PHONE	char(12)	YES		NULL	
	PARENT_ID	int	NO	MUL	NULL	

Result Grid  Filter Rows: <input type="text"/> Export:  Wrap						
	Field	Type	Null	Key	Default	Extra
▶	LUNCH_ORDER_ID	int	NO	PRI	NULL	
	NUM_ITEMS	char(4)	YES		NULL	
	PARENT_ID	int	NO	MUL	NULL	

Result Grid  Filter Rows: <input type="text"/> Export:  Wr						
	Field	Type	Null	Key	Default	Extra
▶	CODE	int	NO	PRI	NULL	
	NAME	varchar(30)	YES		NULL	
	CALORIES	int	YES		NULL	

Result Grid  Filter Rows: <input type="text"/> Export:  Wra						
	Field	Type	Null	Key	Default	Extra
▶	LUNCH_ORDER_ID	int	NO	MUL	NULL	
	LUNCH_CODE	int	NO	MUL	NULL	

Task 4 – Add data

```
# Task 4 - Add data by Romana Islam
SELECT * FROM CLASS, STUDENT, TEACHER, TEACHER_EMAIL, PARENT, PARENT_PHONE, LUNCH_ORDER, LUNCH_ITEM, SECOND_ASSIGNMENT;
INSERT INTO CLASS VALUES ('A1', 111, '703-555-6666', 30, 'left hallway by the main entrance to the building, and then right turn');
INSERT INTO CLASS VALUES ('A2', 112, '703-666-5555', 26, 'left hallway by the main entrance to the buidling');
INSERT INTO CLASS VALUES ('A3', 113, '571-252-5252', 23, 'Right hallway by the main entrance to the building');
INSERT INTO CLASS VALUES ('A4', 114, '571-525-2525', 29, 'Right hallway by the main entrance to the building and then left hallway');
INSERT INTO CLASS VALUES ('A5', 115, '604-980-5678', 24, 'Go straight by the main entrance to the building and then turn left');
INSERT INTO STUDENT VALUES (211, 'Samantha', 'Salcedo', 'Sam', '2005-06-02', 'Sesame Street', 'Alexandria', '22306', 'A1');
INSERT INTO STUDENT VALUES (212, 'Winry', 'Rockbell', NULL, '2005-07-27', 'Imperial Eagle Court', 'Woodbridge', '22309', 'A1');
INSERT INTO STUDENT VALUES (213, 'Josh', 'Bozkina', 'JB', '2004-07-04', 'Great Swan Court', 'Woodbridge', '22309', 'A2');
INSERT INTO STUDENT VALUES (214, 'Asmae', 'Alami', 'Jazzy', '2004-05-15', 'Squaredale Square', 'Alexandria', '22306', 'A2');
INSERT INTO STUDENT VALUES (215, 'Xavier', 'Horton', NULL, '2006-08-19', 'Huntington Street', 'Arlington', '22305', 'A3');
INSERT INTO TEACHER VALUES (311, 'Misty', 'Day', '604-777-9999', 'George Mason University', 'Education', 'Bachelor Degree', 'A1');
INSERT INTO TEACHER VALUES (312, 'Clarissa', 'Thompson', '704-356-7789', 'George Mason University', 'Education', 'Bachelor Degree', 'A2');
INSERT INTO TEACHER VALUES (313, 'Priya', 'Patel', '124-244-1353', 'Old Dominion University', 'Education', 'Bachelor Dgree', 'A3');
INSERT INTO TEACHER VALUES (314, 'Andrew', 'Garfield', '703-110-6767', 'George Washington University', 'Education', 'Bachelor Degree', 'A4');
INSERT INTO TEACHER VALUES (315, 'Justin', 'Kwarteng', '804-571-7034', 'George Washington University', 'Education', 'Bachelor Degree', 'A5');
INSERT INTO TEACHER_EMAIL VALUES (101, 'cday@hls.edu', 'mistyday123@gmail.com', 311);
INSERT INTO TEACHER_EMAIL VALUES(102, 'cthompson@hls.edu', 'rissaroo@gmail.com', 312);
INSERT INTO TEACHER_EMAIL VALUES(103, 'ppatel@hls.edu', 'angellight341@gmail.com', 313);
INSERT INTO TEACHER_EMAIL VALUES(104, 'agarfield@hls.edu', 'garfield30@hotmail.com', 314);

INSERT INTO TEACHER_EMAIL VALUES(105, 'jkwarteng@hls.edu', 'jk34567@yahoo.com', 315);
INSERT INTO PARENT VALUES (411, 'Dina', 'Justice', NULL, 'Mother');
INSERT INTO PARENT VALUES (412, 'Tamzeed', 'Islam', 'tislam@gmail.com', 'Father');
INSERT INTO PARENT VALUES (413, 'Linda', 'Mauve', 'mauvementday@gmail.com', 'Grandmother');
INSERT INTO PARENT VALUES (414, 'Daniel', 'Caesar', NULL, 'Grandfather');
INSERT INTO PARENT VALUES (415, 'Zoro', 'Roronoa', 'roronoazoro@hotmail.com', 'Father');
INSERT INTO PARENT_PHONE VALUES (201, '703-000-0002', '401-111-9009', '321-322-3234', 411);
INSERT INTO PARENT_PHONE VALUES (202, NULL, '554-666-6666', NULL, 412);
INSERT INTO PARENT_PHONE VALUES (203, NULL, '666-777-8888', '333-010-1000', 413);
INSERT INTO PARENT_PHONE VALUES (204, NULL, '800-900-2000', NULL, 414);
INSERT INTO PARENT_PHONE VALUES (205, '168-731-1010', '110-444-3333', NULL, 415);
INSERT INTO ASSIGNMENT VALUES (411, 211);
INSERT INTO ASSIGNMENT VALUES (411, 212);
INSERT INTO ASSIGNMENT VALUES (413, 215);
INSERT INTO ASSIGNMENT VALUES (414, 215);
INSERT INTO ASSIGNMENT VALUES (415, 213);
INSERT INTO LUNCH_ORDER VALUES (301, 4, 411);
INSERT INTO LUNCH_ORDER VALUES (302, 3, 412);
INSERT INTO LUNCH_ORDER VALUES (303, 2, 413);
INSERT INTO LUNCH_ORDER VALUES (304, 1, 414);
INSERT INTO LUNCH_ORDER VALUES (305, 3, 415);
INSERT INTO LUNCH_ITEM VALUES (401, 'sliced apples', 100);
```



```

INSERT INTO LUNCH_ITEM VALUES (401, 'sliced apples', 100);
INSERT INTO LUNCH_ITEM VALUES (402, 'mashed potato', 320);
INSERT INTO LUNCH_ITEM VALUES (403, 'cheese pizza', 22);
INSERT INTO LUNCH_ITEM VALUES (404, 'salad', 115);
INSERT INTO LUNCH_ITEM VALUES (405, 'chicken nuggets', 161);
INSERT INTO SECOND_ASSIGNMENT VALUES (301, 401);
INSERT INTO SECOND_ASSIGNMENT VALUES (301, 402);
INSERT INTO SECOND_ASSIGNMENT VALUES (302, 403);
INSERT INTO SECOND_ASSIGNMENT VALUES (303, 403);
INSERT INTO SECOND_ASSIGNMENT VALUES (305, 405);
SELECT * FROM CLASS;
SELECT * FROM STUDENT;
SELECT * FROM TEACHER;
SELECT * FROM TEACHER_EMAIL;
SELECT * FROM PARENT;
SELECT * FROM PARENT_PHONE;
SELECT * FROM LUNCH_ORDER;
SELECT * FROM LUNCH_ITEM;
SELECT * FROM SECOND_ASSIGNMENT;

```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

CODE	ROOM	PHONE	MAX_CAPACITY	LOCATION	STUDENT_ID	FIRST_NAME	LAST_NAME	NICKNAME	BIRTHDAY	STREET	CITY	ZIPCODE	CLASS_CODE	TEACHER_ID
------	------	-------	--------------	----------	------------	------------	-----------	----------	----------	--------	------	---------	------------	------------

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

FIRST_NAME	LAST_NAME	HOME_PHONE	COLLEGE	MAJOR	BACH_DEGREE	CLASS_CODE	WORK_EMAIL	EMAIL	TEACHER_ID	PARENT_ID	FIRST_NAME	LAST_NAME	EMAIL
------------	-----------	------------	---------	-------	-------------	------------	------------	-------	------------	-----------	------------	-----------	-------

Result Grid

Filter Rows:

Export:








Wrap Cell Content:







RELATIONSHIP	PARENT_PHONE_ID	HOME_PHONE	MOBILE_PHONE	WORK_PHONE	PARENT_ID	LUNCH_ORDER_ID	NUM_ITEMS	PARENT_ID	CODE	NAME	CALORIES	LUNCH_C
--------------	-----------------	------------	--------------	------------	-----------	----------------	-----------	-----------	------	------	----------	---------


LUNCH_ORDER_ID	LUNCH_CODE
----------------	------------

Result Grid			Filter Rows:	<input type="text"/>	Edit:				Export/Import:			Wr
	CODE	ROOM	PHONE	MAX_CAPACITY	LOCATION							
▶	A1	111	703-555-6666	30	left hallway by the main entrance to the buildin...							
	A2	112	703-666-5555	26	left hallway by the main entrance to the building							
	A3	113	571-252-5252	23	Right hallway by the main entrance to the building							
	A4	114	571-525-2525	29	Right hallway by the main entrance to the buildi...							
	A5	115	604-980-5678	24	Go straight by the main entrance to the building...							
*	NULL	NULL	NULL	NULL	NULL							



Result Grid   Filter Rows: <input type="text"/> Edit:    Export/Import:   Wrap Cell Content: 									
	STUDENT_ID	FIRST_NAME	LAST_NAME	NICKNAME	BIRTHDAY	STREET	CITY	ZIPCODE	CLASS_CODE
▶	211	Samantha	Salcedo	Sam	2005-06-02	Sesame Street	Alexandria	22306	A1
	212	Winry	Rockbell	NULL	2005-07-27	Imperial Eagle Court	Woodbridge	22309	A1
	213	Josh	Bozkina	JB	2004-07-04	Great Swan Court	Woodbridge	22309	A2
	214	Asmae	Alami	Jazzy	2004-05-15	Squaredale Square	Alexandria	22306	A2
	215	Xavier	Horton	NULL	2006-08-19	Huntington Street	Arlington	22305	A3
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid   Filter Rows: <input type="text"/> Edit:    Export/Import:   Wrap Cell Content: 								
	TEACHER_ID	FIRST_NAME	LAST_NAME	HOME_PHONE	COLLEGE	MAJOR	BACH_DEGREE	CLASS_CODE
▶	311	Misty	Day	604-777-9999	George Mason University	Education	Bachelor Degree	A1
	312	Clarissa	Thompson	704-356-7789	George Mason University	Education	Bachelor Degree	A2
	313	Priya	Patel	124-244-1353	Old Dominion University	Education	Bachelor Dgree	A3
	314	Andrew	Garfield	703-110-6767	George Washington University	Education	Bachelor Degree	A4
	315	Justin	Kwarteng	804-571-7034	George Washington University	Education	Bachelor Degree	A5
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid   Filter Rows: <input type="text"/> Edit:    Export/Import: 				
	TEACHER_EMAIL_ID	WORK_EMAIL	EMAIL	TEACHER_ID
▶	101	cday@hls.edu	mistyday123@gmail.com	311
	102	cthompson@hls.edu	rissaroo@gmail.com	312
	103	ppatel@hls.edu	angellight341@gmail.com	313
	104	agarfield@hls.edu	garfield30@hotmail.com	314
	105	jkwarteng@hls.edu	jk34567@yahoo.com	315
*	NULL	NULL	NULL	NULL

Result Grid   Filter Rows: <input type="text"/> Edit:    Export/Import: 					
	PARENT_ID	FIRST_NAME	LAST_NAME	EMAIL	RELATIONSHIP
▶	411	Dina	Justice	NULL	Mother
	412	Tamzeed	Islam	tislam@gmail.com	Father
	413	Linda	Mauve	mauvemonday@gmail.com	Grandmother
	414	Daniel	Caesar	NULL	Grandfather
	415	Zoro	Roronoa	roronoazoro@hotmail.com	Father
*	NULL	NULL	NULL	NULL	NULL

Result Grid   Filter Rows: <input type="text"/> Edit:    Export/Import: 					
	PARENT_PHONE_ID	HOME_PHONE	MOBILE_PHONE	WORK_PHONE	PARENT_ID
▶	201	703-000-0002	401-111-9009	321-322-3234	411
	202	NULL	554-666-6666	NULL	412
	203	NULL	666-777-8888	333-010-1000	413
	204	NULL	800-900-2000	NULL	414
	205	168-731-1010	110-444-3333	NULL	415
*	NULL	NULL	NULL	NULL	NULL

Result Grid   Filter Rows: <input type="text"/>			
	LUNCH_ORDER_ID	NUM_ITEMS	PARENT_ID
▶	301	4	411
	302	3	412
	303	2	413
	304	1	414
	305	3	415
•	NULL	NULL	NULL

Result Grid   Filter Rows: <input type="text"/>			
	CODE	NAME	CALORIES
▶	401	sliced apples	100
	402	mashed potato	320
	403	cheese pizza	22
	404	salad	115
	405	chicken nuggets	161
•	NULL	NULL	NULL

Result Grid   Filter Rows: <input type="text"/>		
	LUNCH_ORDER_ID	LUNCH_CODE
▶	301	401
	301	402
	302	403
	303	403
	305	405



Task 5 – Query the data



Task 5 - Query the data



```



SELECT SUM(NUM_ITEMS) FROM LUNCH_ORDER WHERE LUNCH_ORDER_ID=301;
SELECT SUM(NUM_ITEMS) FROM LUNCH_ORDER WHERE LUNCH_ORDER_ID=302;
SELECT SUM(NUM_ITEMS) FROM LUNCH_ORDER WHERE LUNCH_ORDER_ID=303;
SELECT SUM(NUM_ITEMS) FROM LUNCH_ORDER WHERE LUNCH_ORDER_ID=304;
SELECT SUM(NUM_ITEMS) FROM LUNCH_ORDER WHERE LUNCH_ORDER_ID=305;
SELECT SUM(CODE) FROM LUNCH_ITEM WHERE MONTH=3;
SELECT STUDENT_ID, CODE FROM STUDENT INNER JOIN LUNCH_ITEM WHERE CODE=(SELECT MAX(CODE) FROM LUNCH_ITEM) AND STUDENT_ID=211;
SELECT STUDENT_ID, CODE FROM STUDENT INNER JOIN LUNCH_ITEM WHERE CODE=(SELECT MAX(CODE) FROM LUNCH_ITEM) AND STUDENT_ID=212;
SELECT STUDENT_ID, CODE FROM STUDENT, LUNCH_ITEM WHERE CODE=(SELECT MAX(CODE) FROM LUNCH_ITEM) AND STUDENT_ID=213;
SELECT STUDENT_ID, CODE FROM STUDENT, LUNCH_ITEM WHERE CODE=(SELECT MAX(CODE) FROM LUNCH_ITEM) AND STUDENT_ID=214;
SELECT STUDENT_ID, CODE FROM STUDENT, LUNCH_ITEM WHERE CODE=(SELECT MAX(CODE) FROM LUNCH_ITEM) AND STUDENT_ID=215;
SELECT CLASS.CODE, LUNCH_ITEM.CODE, SUM(LUNCH_ITEM.CODE) FROM LUNCH_ITEM INNER JOIN CLASS WHERE CLASS.CODE='A1';



```

Result Grid   Filter	
	SUM(NUM_ITEMS)
▶	4

Result Grid   Filter	
	SUM(NUM_ITEMS)
▶	3

Result Grid   Filter	
	SUM(NUM_ITEMS)
▶	2

Result Grid   Filter	
	SUM(NUM_ITEMS)
▶	1

Result Grid   Filter	
	SUM(NUM_ITEMS)
▶	3