CREATE table if not exists Hillel2020.departments  
(  
 id bigint not null auto\_increment primary key,  
 name\_department varchar(100) not null,  
 head varchar(255)  
);

CREATE table if not exists Hillel2020.lectures  
(  
 id bigint not null auto\_increment primary key,  
 full\_name varchar(255) not null,  
 id\_department bigint,  
 FOREIGN KEY (id\_department) REFERENCES departments (id) on DELETE set null on UPDATE cascade  
);

CREATE table if not exists Hillel2020.lessons  
(  
 id bigint not null auto\_increment primary key,  
 lesson varchar(255) not null,  
 id\_lecture bigint,  
 semester int,  
 year int,  
 FOREIGN KEY (id\_lecture) REFERENCES lectures (id) on DELETE set null on UPDATE cascade  
);

Create table if not exists Hillel2020.groups(

id bigint not null auto\_increment primary key,

group\_ varchar(100) not null

);

CREATE table if not exists Hillel2020.students(

id bigint not null auto\_increment primary key,

full\_name varchar(255) not null,

id\_group bigint not null,

year int not null,

FOREIGN KEY (id\_group) REFERENCES `groups` (id\_group) on DELETE cascade on UPDATE cascade

);

CREATE table if not exists Hillel2020.marks(  
 id bigint not null auto\_increment primary key,  
 id\_lesson bigint,  
 id\_student bigint not null ,  
 mark int not null,  
 FOREIGN KEY (id\_student) REFERENCES students (id) on DELETE cascade on UPDATE cascade,  
 FOREIGN KEY (id\_lesson) REFERENCES lessons(id) on DELETE set null on UPDATE cascade  
);

INSERT INTO Hillel2020.`groups`(group\_) VALUES  
('Java Introduction'),  
('Java Elementary'),  
('Java Enterprise'),  
('Front-End Basis'),  
('Front-End Pro'),  
('Angular'),  
('React'),  
('NodeJs')

INSERT INTO Hillel2020.departments (name\_department, head) VALUES  
('Front-End','Nikolaev Yakov Borisovich'),  
('Back-End','Mishin Immanuil Vitalievich'),  
('Data Science','Volkov Maxim Evgenievich')

INSERT INTO Hillel2020.lectures (full\_name, id\_department) VALUES  
('Luis Hall',1),  
('Finley Robinson',1),  
('Ronan Howard',2),  
('Jessica Mitchell',2),  
('Fredrick Johnson',3),  
('Laura Diaz',3)

INSERT INTO Hillel2020.lessons (lesson, id\_lecture, semester, year) VALUES  
('Java-1',3,1,2019),  
('Java-2',4,2,2019),  
('Js-1',2,1,2019),  
('Js-3',1,2,2019),  
('Python-2',6,2,2020)

INSERT INTO Hillel2020.students (full\_name, id\_group, year) VALUES  
('Roy Santiago',3,2019),  
('Bill Mitchell',4,2020),  
('Dominic Benson',2,2020),  
('Warren Simmons',5,2019),  
('Jenna Webster',6,2020),  
('Rachel Simon',4,2019),  
('Crystal Bates',1,2019),  
('Roger Cook',6,2020)

INSERT INTO Hillel2020.marks (id\_lesson, id\_student, mark) VALUES

(1,1,95),  
(6,2,80),  
(1,3,90),  
(4,4,85),  
(7,5,91),  
(3,6,82),  
(1,7,90),  
(7,8,96);