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Bazy i struktury danych  
  
  
**CW1**

**1.**

CREATE TABLE REGIONS(

region\_id int,

region\_name varchar(50),

PRIMARY\_KEY(region\_id)

);

CREATE TABLE COUNTRIES(

country\_id int,

country\_name varchar(50),

region\_id int,

PRIMARY KEY(country\_id),

FOREIGN KEY(region\_id) REFERENCES REGIONS(region\_id)

);

CREATE TABLE LOCATIONS(

location\_id int,

street\_adress varchar(50),

postal\_code varchar(6),

city varchar(50),

state\_province varchar(50),

country\_id int,

PRIMARY KEY (location\_id),

FOREIGN KEY (country\_id) REFERENCES COUNTRIES(country\_id)

);

CREATE TABLE DEPARTMENTS(

department\_id int,

department\_name varchar(50),

menager\_id int,

location\_id int,

PRIMARY KEY (department\_id),

FOREIGN KEY (location\_id) REFERENCES LOCATIONS(location\_id)

);

CREATE TABLE EMPLOYEES(

employee\_id int,

first\_name varchar(50),

last\_name varchar(50),

email varchar(50),

phone\_number varchar(50),

hire\_date date,

job\_id int,

salary float,

commission\_pct float,

menager\_id int,

department\_id int,

PRIMARY KEY (employee\_id),

FOREIGN KEY (department\_id) REFERENCES DEPARTMENTS(department\_id)

);

CREATE TABLE JOBS(

job\_id int,

job\_title varchar(255),

min\_salary float,

max\_salary float,

PRIMARY KEY(job\_id),

CHECK(min\_salary < max\_salary + 2000)

);

CREATE TABLE JOB\_HISTORY(

employee\_id int,

start\_date date,

end\_date date,

job\_id int,

department\_id int,

PRIMARY KEY(employee\_id,start\_date),

FOREIGN KEY (job\_id) REFERENCES JOBS(job\_id),

FOREIGN KEY (department\_id) REFERENCES DEPARTMENTS(department\_id)

);

ALTER TABLE EMPLOYEES ADD FOREIGN KEY(menager\_id) REFERENCES EMPLOYEES(employee\_id);

ALTER TABLE DEPARTMENTS ADD FOREIGN KEY (menager\_id) REFERENCES EMPLOYEES(employee\_id);

ALTER TABLE EMPLOYEES ADD FOREIGN KEY (job\_id) REFERENCES JOBS(job\_id);

**2.**

DROP TABLE REGIONS CASCADE CONSTRAINTS;