Human

Human	
ssn	
Gender	
Healthy	
Father_of_human	(O)(FK)
Mother_of_human	(O)(FK)

Access Record

Access Record	
allowed	
date	
ssn	(FK)
name	(FK)

Project

Project
name

Entity-Relationship Diagram

- ssn
- Healthy
- Gender

Father of

Mother of

Human — Sets access — **Access Record**

- date
- allowed

Access Record — Relates — **Project**

- **name**

```
CREATE TABLE Project
(
  name VARCHAR(40) NOT NULL,
  PRIMARY KEY (name)
);

CREATE TABLE Human
(
  Gender INT NOT NULL,
  Healthy INT NOT NULL,
  ssn INT NOT NULL AUTOINCREMENT,
  Father_of_human INT,
  Mother_of_human INT,
  PRIMARY KEY (ssn),
  FOREIGN KEY (Father_of_human) REFERENCES Human(ssn),
  FOREIGN KEY (Mother_of_human) REFERENCES Human(ssn)
);

CREATE TABLE Access_Record
(
  allowed INT NOT NULL,
  date DATE NOT NULL,
  ssn INT NOT NULL,
  name INT NOT NULL,
  FOREIGN KEY (ssn) REFERENCES Human(ssn),
  FOREIGN KEY (name) REFERENCES Project(name)
);

INSERT INTO Human (Gender, Healthy, ssn) VALUES (1, 1, 123);
INSERT INTO Project (name) VALUES ("CC1");
INSERT INTO Access_Record (allowed, date, ssn, name) VALUES (true,
1.1.2021, 123, "CC1");
INSERT INTO Access_Record (allowed, date, ssn, name) VALUES (false,
21.6.2021, 123, "CC1");
```