DIAGRAM

PROJECT
- PNAME
- 🔑 PNUMBER
- PLOCATION
- DNUM

WORKS_ON
- ESSN
- PNO
- HOURS

DEPARTMENT
- DNAME
- 🔑 DNUMBER
- MGRSSN
- MGRSTARTDATE

EMPLOYEE
- FNAME
- MINIT
- LNAME
- 🔑 SSN
- BDATE
- ADDRESS
- SEX
- SALARY
- SUPERSSN
- DNO

DEPENDENT
- ESSN
- 🔑 DEPENDENT_NAME
- SEX
- BDATE
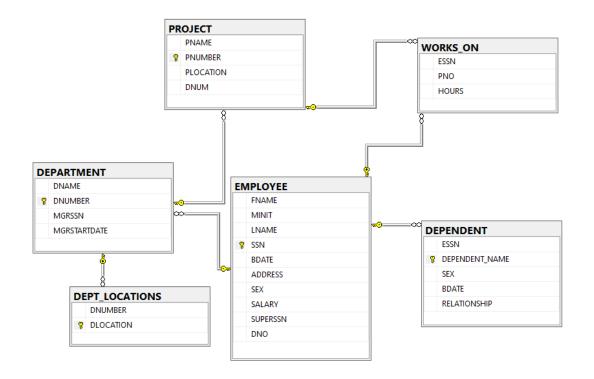- RELATIONSHIP

DEPT_LOCATIONS
- DNUMBER
- 🔑 DLOCATION

EMPLOYEE

	FNAME	MINIT	LNAME	SSN	BDATE	ADDRESS	SEX	SALARY	SUPERSSN	DNO
1	Buana	Mega	Fatimah	1546	1988-09-14	Boyolali	F	2750000	9521	2
2	Agus	Ilham	Ahmad	1760	1986-12-21	Sukoharjo	M	3125000	NULL	2
3	Cahaya	Citra	Anisa	2991	1983-10-10	Surakarta	F	3000000	1760	1
4	Setiawan	Putri	Rahman	9521	1985-08-24	Sragen	F	3250000	NULL	1
5	Hasan	Jusuf	Akbar	9936	1983-05-18	Karanganyar	M	2850000	1760	1

DEPARTMENT

	DNAME	DNUMBER	MGRSSN	MGRSTARTDATE
1	Produksi	1	9521	2019-01-01
2	Pemasaran	2	1760	2019-07-01

DEPT_LOCATIONS

	DNUMBER	DLOCATION
1	1	Karanganyar
2	2	Surakarta

PROJECT

	PNAME	PNUMBER	PLOCATION	DNUM
1	Produksi Tahu	11	Papahan	1
2	Produksi Tempe	12	Jaten	1
3	Iklan Baliho	21	Jebres	2

WORKS_ON

	ESSN	PNO	HOURS
1	2991	21	30
2	9521	11	45
3	1546	12	40
4	1760	21	35
5	9936	21	30

DEPENDENT

	ESSN	DEPENDENT_NAME	SEX	BDATE	RELATIONSHIP
1	1760	Chaz Sobel	F	1991-07-02	Friend
2	9521	Oona Byrne	F	1990-12-01	Friend

Kode SQL

```sql
CREATE DATABASE COMPANY
USE COMPANY

CREATE TABLE EMPLOYEE(
        FNAME varchar(50),
        MINIT varchar(50),
        LNAME varchar(50),
        SSN smallint,
        BDATE date,
        ADDRESS varchar(50),
        SEX char(1),
        SALARY int,
        SUPERSSN smallint,
        DNO tinyint,

        PRIMARY KEY(SSN),
        FOREIGN KEY(SUPERSSN) REFERENCES EMPLOYEE(SSN)
)

ALTER TABLE EMPLOYEE
DROP CONSTRAINT FK__EMPLOYEE__SUPERS__24927208;

CREATE TABLE DEPARTMENT(
        DNAME varchar(50),
        DNUMBER tinyint,
        MGRSSN smallint,
        MGRSTARTDATE date,

        PRIMARY KEY(DNUMBER),
        FOREIGN KEY(MGRSSN)REFERENCES EMPLOYEE(SSN)
)

CREATE TABLE DEPT_LOCATIONS(
        DNUMBER tinyint,
        DLOCATION varchar(20)
        PRIMARY KEY(DLOCATION),
        FOREIGN KEY(DNUMBER) REFERENCES DEPARTMENT(DNUMBER)
)

CREATE TABLE PROJECT(
        PNAME varchar(50),
        PNUMBER tinyint,
        PLOCATION varchar(50),
        DNUM tinyint,
        PRIMARY KEY(PNUMBER),
        FOREIGN KEY(DNUM) REFERENCES DEPARTMENT(DNUMBER)
)

CREATE TABLE WORKS_ON(
        ESSN smallint,
        PNO tinyint,
        HOURS smallint,
        FOREIGN KEY(ESSN) REFERENCES EMPLOYEE(SSN),
        FOREIGN KEY(PNO) REFERENCES PROJECT(PNUMBER)
)
```

```sql
CREATE TABLE DEPENDENT(
        ESSN smallint,
        DEPENDENT_NAME varchar(50),
        SEX char(1),
        BDATE date,
        RELATIONSHIP varchar(50),
        PRIMARY KEY(DEPENDENT_NAME),
        FOREIGN KEY (ESSN) REFERENCES EMPLOYEE(SSN)
)

INSERT INTO EMPLOYEE(
        FNAME, MINIT, LNAME, SSN, BDATE, ADDRESS, SEX, SALARY, SUPERSSN, DNO
)
VALUES
        ('Cahaya','Citra','Anisa',2991,'1983-10-10','Surakarta','F',3000000,1760,1),
        ('Setiawan','Putri','Rahman', 9521,'1985-08-24','Sragen','F',3250000, NULL, 1),
        ('Buana','Mega','Fatimah',1546,'1988-09-14','Boyolali','F',2750000, 9521, 2),
        ('Agus','Ilham','Ahmad',1760, '1986-12-21', 'Sukoharjo', 'M',3125000, NULL, 2),
        ('Hasan','Jusuf','Akbar',9936,'1983-05-18','Karanganyar','M',2850000,1760,1);

INSERT INTO DEPARTMENT(
        DNAME, DNUMBER, MGRSSN, MGRSTARTDATE
)
VALUES
        ('Produksi', 1, 9521, '2019-01-01'),
        ('Pemasaran', 2, 1760, '2019-07-01');

INSERT INTO DEPT_LOCATIONS(
        DNUMBER, DLOCATION
)
VALUES
        (1, 'Karanganyar'),
        (2, 'Surakarta');

INSERT INTO PROJECT(
        PNAME, PNUMBER, PLOCATION, DNUM
)
VALUES
        ('Produksi Tahu', 11, 'Papahan', 1),
        ('Produksi Tempe', 12, 'Jaten', 1),
        ('Iklan Baliho', 21, 'Jebres', 2);

INSERT INTO WORKS_ON(
        ESSN, PNO, HOURS
)
VALUES
        (2991, 21, 30),
        (9521, 11, 45),
        (1546, 12, 40),
        (1760, 21, 35),
        (9936, 21, 30);

INSERT DEPENDENT(
        ESSN, DEPENDENT_NAME, SEX, BDATE, RELATIONSHIP
)
VALUES
        (9521, 'Oona Byrne', 'F', '1990-12-01', 'Friend'),
        (1760, 'Chaz Sobel', 'F', '1991-07-02', 'Friend');
```