

How to add constraints in “CREATE TABLE” statement:

```
CREATE TABLE APPLICANT(  
    APPLICANT_ID INT IDENTITY(1,1) PRIMARY KEY,  
    APPL_NAME VARCHAR(20) NOT NULL,  
    APPL_SURNAME VARCHAR(20) NOT NULL,  
    FACT_ADDRESS VARCHAR(60) NOT NULL,  
    BIRTH_DATE DATE NOT NULL,  
    IIN INT UNIQUE,  
    PHONE_NUMBER INT UNIQUE,  
    CHECK (DATEDIFF(month, BIRTH_DATE, GETDATE())/12 >= 18)  
);  
CREATE TABLE GRADE(  
    APPL_ID INT FOREIGN KEY REFERENCES APPLICANT(APPLICANT_ID),  
on delete restrict  
on delete cascade  
on update restrict  
on update cascade  
    DISCIPLINE VARCHAR(20) NOT NULL,  
    GRADE VARCHAR(1) NOT NULL,  
    CHECK (GRADE <= 'F')  
);
```

How to add constraints to existing table:

```
/*fk*/  
ALTER TABLE OrderItems ADD CONSTRAINT FK_OrderItems_Orders FOREIGN KEY  
(order_num) REFERENCES Orders (order_num);  
alter table SUBJECT add primary key (SUBJ_ID);  
  
/*pk*/  
alter table employees add constraint pk_employees primary key (employee_id);  
/*drop pk*/  
alter table employees drop constraint pk_employees;  
/*unique*/  
alter table employees add unique (email);  
/*not null*/  
alter table employees alter column first_name varchar(10) not null;  
alter table employees alter column employee_id integer not null;  
/*check*/  
alter table employees add check (salary>1000);
```