

# In Class Worksheet

Data Definition Language

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Consider the following schema:

Astronauts(Primary Key astroID, Name, Age, Agency)

Using Data Definition Language, Do the following:

1. Create this table (use whatever constraints and data types you believe are applicable)

```
CREATE TABLE Astronauts (  
astroID INTEGER NOT NULL PRIMARY KEY,  
Name VARCHAR(20),  
Age INTEGER,  
Agency VARCHAR(20),  
);
```

2. Add a new attribute YearsActive

```
ALTER TABLE Astronauts  
ADD COLUMN YearsActive INTEGER;
```

3. Remove the attribute Age

```
ALTER TABLE Astronauts  
DROP COLUMN Age;
```

4. Make Name the primary key instead of astroID

```
ALTER TABLE Astronauts  
DROP PRIMARY KEY;  
  
ALTER TABLE Astronauts  
ADD PRIMARY KEY(Name);
```

5. Change the constraints of an attribute (any of your choosing)

```
ALTER TABLE Astronauts  
MODIFY COLUMN Agency VARCHAR(10);
```

6. Delete this table

```
DROP TABLE Astronauts;
```