1. **Write any 15 attributes of employees and list which values will be unique for every employee.**

Name

Employee ID (unique)

SSN (unique)

Email ID

Street address

City

State

Zip

DOB

Mobile #

Salary (unique)

Job Title

Position type

Passport # (unique)

Mode of transport

1. **Write the 5 Constraints discussed in the class and write the points for each constraint as well.**

* Primary Key:
  + - PK is used to uniquely identify a particular row
    - A table can have only one primary key
    - Pk will not allow null values
    - Pk will not allow duplicate values
* Unique Key:
* Unique Key will not allow duplicate values
* A table can have more than one unique key
* Unique Key allows null value but only once
* Not Null Constraint
  + Will allow duplicate values, but not null
* Check Constraint:
  + Restricts data based on condition
* Default Constraint:
* Used to provide a default value for a column
* Default value will be added to all new records if no other value is specified

1. **Create a table with all the constraints discussed in the class. Put the create table script**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Primary Key** | **Unique Key** | **Not Null** | **Check** | **Default** |  |
| PK is used to uniquely identify a particular row | Unique Key will not allow duplicate values | Will allow duplicate values, but not null | Restricts data based on condition | Used to provide a default value for a column |  |
| A table can have only one primary key | A table can have more than one unique key |  |  | Default value will be added to all new records if no other value is specified |  |
| A PK will not allow null values | Unique Key allows null value but only once |  |  |  |  |
| A PK will not allow duplicate values |  |  |  |  |  |