

Individual Assignment - SQL

Appendix

| checkin | | | |
|---------|-------------|-------|---|
| Col# | Col Name | Key? | Descriptions |
| 1 | ID | PK-FK | Identity number of an individual |
| 2 | MobileNO | PK | Mobile phone number |
| 3 | Day | | Day of the month at which the checkin occurred |
| 4 | Month | | Month at which the checkin occurred |
| 5 | Year | | Year at which the checkin occurred |
| 6 | Hour | | Hour at which the checkin occurred |
| 7 | Min | | Minute at which the checkin occurred |
| 8 | Sec | | Second at which the checkin occurred |
| 9 | Location | PK-FK | The location ID at which the checkin occurred; FK referencing "shoppingmalls" |
| 10 | Crowdedness | PK-FK | Crowdedness level; FK referencing "crowdedness" |

| crowdedness | | | |
|-------------|----------------|------|----------------------|
| Col# | Col Name | Key? | Descriptions |
| 1 | Crowdedness_ID | PK | Unique ID |
| 2 | Level | | Level of crowdedness |

| demo | | | |
|------|--------------|------|--|
| Col# | Col Name | Key? | Descriptions |
| 1 | ID | PK | Identity number of an individual |
| 2 | Gender | | |
| 3 | Age | | |
| 4 | EssentialSrv | | Is this individual working in the essential service industry |
| 5 | Surname | | Surname of an individual |

| shoppingmalls | | | |
|---------------|-----------|------|--|
| Col# | Col Name | Key? | Descriptions |
| 1 | Mall_ID | PK | Unique ID of a shopping mall |
| 2 | Mall_Name | | Name of a shopping mall |
| 3 | Sector | | Sectorial location (i.e., central, east, north, north east, north west, south, and west) |

| tracetogether | | | |
|---------------|----------------|-------|---|
| Col# | Col Name | Key? | Descriptions |
| 1 | MobileNO | PK-FK | Mobile phone number; FK referencing “checkin” |
| 2 | NearByMobileNo | | |
| 3 | Day | PK | Day of the month at which the a nearby mobile number was detected |
| 4 | Month | PK | Month at which the a nearby mobile number was detected |
| 5 | Year | PK | Year at which the a nearby mobile number was detected |
| 6 | Hour | PK | Hour at which the a nearby mobile number was detected |
| 7 | Min | PK | Min at which the a nearby mobile number was detected |
| 8 | Sec | PK | Sec at which the a nearby mobile number was detected |

