**Data Dictionary**

Table: Teams

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Data Type | Size, Precision | PK/FK | Required | Range | Sample Data |
| TeamID | NUMERIC | 2 | PK | Y | 1-99 | 2 |
| TeamName | VARCHAR2 | 50 |  | Y |  | RedBull Racing |
| TeamPrincipalName | VARCHAR2 | 50 |  |  |  | Christian Horner |
| EngineSupplier | VARCHAR2 | 50 |  |  |  | Mercedes Powertrain |

Table: Circuits

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Data Type | Size, Precision | PK/FK | Required | Range | Sample Data |
| CircuitID | NUMERIC | 2 | PK | Y | 1-99 | 3 |
| CircuitName | VARCHAR2 | 100 |  | Y |  | Circuit Gilles-Villeneuve, Montreal |
| Country | VARCHAR2 | 50 |  | Y |  | Canada |

Table: Races

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Data Type | Size, Precision | PK/FK | Required | Range | Sample Data |
| RaceID | NUMERIC | 2 | PK | Y | 1-99 | 2 |
| RaceName | VARCHAR2 | 100 |  | Y |  | Canadian GP |
| CircuitID | NUMERIC | 2 | FK | Y | 1-99 | 14 |
| RaceDate | DATE |  |  |  |  | 18-06-2023 |

Table: Drivers

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Data Type | Size, Precision | PK/FK | Required | Range | Sample Data |
| DriverID | NUMERIC | 3 | PK | Y | 1-999 | 44 |
| FirstName | VARCHAR2 | 50 |  | Y |  | Lewis |
| LastName | VARCHAR2 | 50 |  | Y |  | Hamilton |
| TeamID | NUMERIC | 2 | FK | Y | 1-99 | 3 |
| Nationality | VARCHAR2 | 50 |  | Y |  | United Kingdom |
| DateOfBirth | DATE |  |  |  |  | 07-01-1985 |

Table: Result

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Data Type | Size, Precision | PK/FK | Required | Range | Sample Data |
| RESULTID | NUMERIC | 2 | PK | Y | 1-99 | 14 |
| RACEID | NUMERIC | 2 | FK | Y | 1-99 | 14 |
| DRIVERID | NUMERIC | 3 | FK | Y | 1-999 | 44 |
| DRIVERPOSITION | NUMERIC | 2 |  |  | 1-99 | 3 |
| POINTS | NUMERIC | 2 |  |  | 1-99 | 8 |

Table: DriverOfTheDay

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Data Type | Size, Precision | PK/FK | Required | Range | Sample Data |
| RACEID | NUMERIC | 2 | PK, FK | Y | 1-99 | 14 |
| DRIVERID | NUMERIC | 3 | PK, FK | Y | 1-999 | 44 |

Table: FastestLap

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Data Type | Size, Precision | PK/FK | Required | Range | Sample Data |
| LAPTIME | TIMESTANP | 3 |  | Y |  | 1.44.031 |
| RACEID | NUMERIC | 2 | PK, FK | Y |  | 14 |
| DRIVERID | NUMERIC | 3 | PK, FK | Y | 1-999 | 44 |

Table: DNF

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Data Type | Size, Precision | PK/FK | Required | Range | Sample Data |
| RACEID | NUMERIC | 2 | PK, FK | Y | 1-99 | 14 |
| DRIVERID | NUMERIC | 3 | PK, FK | Y | 1-999 | 44 |
| REASON | VARCHAR2 | 255 |  |  |  | Collision with Barrier |

Table: Qualifying

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Data Type | Size, Precision | PK/FK | Required | Range | Sample Data |
| QUALIFYINGID | NUMERIC | 2 | PK | Y | 1-99 | 14 |
| QUALIFYINGPOSITION | NUMERIC | 2 |  | Y | 1-99 | 3 |
| LAPTIME | TIMESTAMP | 3 |  |  |  | 1.44.031 |
| RACEID | NUMERIC | 2 | FK | Y | 1-99 | 14 |
| DRIVERID | NUMERIC | 3 | FK | Y | 1-999 | 44 |