



In-Depth Documentation

↳ Driver Table

$DNumber \rightarrow DName, DNumber \rightarrow Points, DNumber \rightarrow RacesEntered,$
 $DNumber \rightarrow TName$

$DNumber^+ = \{DName, DNumber, Points, RacesEntered\}$

- 1) Is in 1NF since no multivalued attribute
- 2) Is in 2NF since all non-key attributes are dependent on primary key
- 3) Is in 3NF because no transitive dependency

↳ Team Table :

$TName \rightarrow constructor, TName \rightarrow chassis, TName \rightarrow Points$

$TName^+ = \{constructor, chassis, Points\}$

- 1) Is in 1NF since no multivalued attributes
- 2) Is in 2NF since all non-key attributes are dependent on primary key
- 3) Is in 3NF because no transitive dependency

↳ Races :

$GrandPrix \rightarrow location$

$GrandPrix^+ = \{location\}$

- 1) Is in 1NF since no multivalued attributes
- 2) Is in 2NF since all non-key attributes are dependent on primary key
- 3) Is in 3NF because no transitive dependency

↳ winners table :

$DriverNO \rightarrow Team, DriverNO \rightarrow Track$

$DriverNO^+ = \{Team, Track\}$

- 1) Is in 1NF since no multivalued attribute
- 2) Is in 2NF since all non-key attributes are dependent on primary key
- 3) Is in 3NF because no transitive dependency

↳ Participates table :

DNumber \rightarrow GrandPrix, GrandPrix \rightarrow date, GrandPrix \rightarrow time

- 1) Is in 1NF since no multivalued attribute
- 2) Is in 2NF since all non-prime keys dependent on foreign keys (Primary keys of other tables)
- 3) Is in 3NF since no transitive dependency

↳ Tracks table :

circuitName \rightarrow GrandPrix, circuitName \rightarrow city, circuitName \rightarrow length

- 1) Is in 1NF since no multivalued attributes
- 2) Is in 2NF since all non-prime keys dependent on primary key
- 3) Is in 3NF since no transitive dependency