



Functional Dependencies:

People:

PID → FName, LName, DoB

Engineers:

PID → Degree, Favorite_Game

Astronauts:

PID → Fly_Start_Year, Golf_Handicap, Spouse_Name

Flight Control Operators:

PID → Chair_Pref, Drink_Pref, Hangover_Cure

Crew:

PID, Tail_Number, Start_Date → End_Date

Spacecraft:

Tail_Number → Name, Weight_Tons, Fuel_Type, Capacity

Systems:

Sys_Name → Descript, PriceUSD

Parts:

Part_Id → Part_Name, Descript, PriceUSD

Supplier:

SID → Address, City, State, Payment_Terms

This database is in 1NF because the field names are all atomic.

It is in 2NF because it is in 1NF, and there are no non-key dependencies, shown above.

It is in 3NF because it is in 2NF, and there are no partial key dependencies, as shown above.