

FUNCTIONAL DEPENDENCIES:

PEOPLES: pid - > fName, lName, age

ENGINEERS: pid - > eid, degree, favVidGame

ASTRONAUTS: pid - > chairPref, drinkPref, curePref, craftID

SPACECRAFTS: craftID - > name, tailNum, wtTon, fuel, crewCap

SYSTEMS: systID - > name, desc, craftID, costUSD

PARTS: partID - > name, desc, systID, costUSD

SUPPLIERS: supID - > name, address, payTerm

CATALOGS: catID - > supID, craftID, systID, partID

3. Show how the tables are in 1st- 3rd normal form.

The database is in first normal form as there is no repeating data in any of the tables, ensuring that each table in the database must be called specifically. The database is in second normal form as each table can be related to the others through a series of foreign keys. The third normal form is satisfied because all information is relevant to the primary key of each table.

