

Check for Normalization:

1NF:

- 1) It should only have single(atomic) valued attributes/columns.
- 2) Values stored in a column should be of the same domain
- 3) All the columns in a table should have unique names.
- 4) And the order in which data is stored, does not matter.

Tables comply to 1NF

2NF:

- 1) It should be in the First Normal form.
- 2) And, it should not have Partial Dependency.

Partial dependencies occur where an attribute in a table depends on only a part of the primary key and not on the whole key.

Partial dependency therefore only occurs where composite keys are present. No partial dependencies in tables with composite keys apparent. Tables comply to 2 NF

3NF:

- 1) It is in the Second Normal form
- 2) And, it doesn't have Transitive Dependency.

When a non-prime attribute depends on other non-prime attributes rather than depending upon the prime attributes or primary key. No transitive dependencies apparent. Tables comply to 3NF 1 shipping_addresses PK: address_id int(11) NOT NULL UNSIGNED shipment details 1 n PK, FK: account_id int(11) NOT NULL UNSIGNED PK: ship id int(11) NOT NULL UNSIGNED provide street_name VARCHAR(40) NOT NULL FK: address_id int(11) NOT NULL UNSIGNED 1 house no int(11) NOT NULL UNSIGNED FK: distributor id int(11) NOT NULL UNSIGNED door no int(11) NOT NULL UNSIGNED have 1..n distributors 1 payment_data PK: distributor id int(11) NOT NULL UNSIGNED PK: pay id int(11) NOT NULL UNSIGNED distributor name VARCHAR(25) NOT NULL UNSIGNED PK, FK: account id int(11) NOT NULL UNSIGNED ISBN int(11) NOT NULL UNSIGNED CVV int(11) NOT NULL UNSIGNED payer f name VARCHAR(40) NOT NULL payment_processor payer I name VARCHAR(40) NOT NULL 1..n PK: processor id int(11) NOT NULL UNSIGNED FK: processor id int(11) NOT NULL processor name VARCHAR(25) NOT NULL UNSIGNED processor_country VARCHAR(25) NOT NULL UNSIGNED