Database schema and integrity constraints and data insertion

(populate simulated data satisfying the constraints)

Following sql files have been created which contains mentioned information -

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| SQL Script | Description |
| tables.sql | Contains commands to create various tables in ‘behealthy’ database |
| customer.sql | Insert commands to populate ‘customer’ table, this contains information about customers registered with ‘behealthy’ pharmacy. It also contains data for employees which are part of ‘behealthy’ pharmacy |
| medicine\_details.sql | Insert commands to populate ‘medicine\_details’ table, it has information about medicine |
| supplier.sql | Insert commands to populate ‘supplier’ table, this has details about different supplier to which order is placed to replenish medicines as needed |
| medicine\_inventory.sql | Insert commands to populate ‘medicine\_inventory’ table, same medicine can appear multiple times in this table with different lot\_number |
| cart\_details.sql | Insert commands to populate ‘cart\_details’ table, this contains details about medicines added to cart by specific customer |
| invoice.sql | Insert commands to populate ‘invoice’ table, this contains information about invoices issued to different customer |
| invoice\_details.sql | Insert commands to populate ‘invoice\_details’ table, this contains details for medicines which have been ordered for a specific invoice |
| prescription.sql | Insert commands to populate ‘prescription’ table, this contains prescription associated with a specific invoice |
| prescription\_details.sql | Insert commands to populate ‘prescription\_details’ table, this contains information about medicines prescribed in a given prescription |
| supplier\_medicine.sql | Insert commands to populate ‘supplier\_medicine’ table, it contains information about medicines available with a given supplier |
| supplier\_order.sql | Insert commands to populate ‘supplier\_order’ table, this contains information about order placed with different supplier |
| supplier\_order\_details.sql | Insert commands to populate ‘supplier\_order\_details’ table, this contains details about a specific supplier order |
| employee.sql | Insert commands to populate ‘employee’ table, this contains information about employees of ‘behealthy’ pharmacy, each employee has additional information captured in ‘customer’ table |

These SQL scripts are executed in above order while satisfying the integrity constraints to ensure that data for any table containing foreign key referencing another table is inserted after the data for table to which it refers have been inserted. Data population is done using bulk data generator with manual intervention to satisfy different constraints.