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CSC 4500

Homework 1

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My database is going to consist of keeping track of the store called Soap4Days, INC. Soap4Days, INC is going to be a bar soap store. There is only one store location which is in Chicago, IL. The brand was established in 2009. Currently there is only 10 employees in the payroll. 2 of them who work part time and 8 of them who work full time. There are only a few employees because it’s only open M-F between the hours of 8am-6pm. The positions the employees hold are manager (2), cashier, floor stocker, and a worker who runs float. Float will be helping around either in the floor or the cash register wherever help is needed. Managers make $20 an hour and store employees make $16 an hour. Only full-time workers receive free dental/eye benefits, but they must pay for healthcare benefits if they want to add it. Part time workers receive no benefits; however, they’re giving the option to purchase dental/eye benefits and healthcare benefits.

There will be 17 different smells/Ingredients bar soaps the store sells. They will be Lemon (101), Apple (103), Pumpkin (105), Lavender, Mint (107), Coconut Milk (109), no smell (201), Cucumber (203), Mango Butter (205), Almond Butter (207), Pink (209), Shea Butter (301), Deep clean (303), Calming (305), White Tea (307), Charcoal (309), Soothing Aloe (402). However, each smell will sell 3 different type of bars. They will consist of bars for oily skin, dry skin, and for sensitive skin.

The store receives new inventory every Monday morning. The inventory is kept in store and checked in by one of the managers. One checked in; the floor stockers are responsible of stocking all the shelves with the inventory. There are the only part time workers and work Mondays and Wednesdays. Those are the days inventory will get restocked on the shelfs.

The store has cheap prices which is how they have managed to stay in business for more than 10 years. The products cost the company .15 cents for oily skin bars, .17 cents for dry skin bars, and .25 cent for sensitive skin bars. The prices we sell them to a customer are $1.25 for oily skin bars, $1.50 for dry skin bars, and $2 for sensitive skin bars. Our most popular product is the sensitive skin bars. We sell about 6000 bars for sensitive skin weekly and between the other two we sell another 4,000 bars. Averaging to 10,000 bars sold weekly. However, out of all those bars the most popular smells are Charcoal, Shea butter, and Soothing Aloe which make up to about 50% of the product sold.

The products have a simple SKU number. The SKU starts with a latter respective to the type of bar soap it is. S for sensitive skin, O for oily skin, D for dry skin. The it ends with a 3-digit code that relates to the type of smell. This allows for easy inventory tracking and reordering. When updating inventory, we must keep track of the shipment date because all products have a shelf life of 2 years. If after 1.5 years, it hasn’t sold it will get thrown out.