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Course: Fundamentals of Database (CSCE 5350)

Project Phase - 2

Database SQL statements for Retail Store Chain with Online Ordering and Home Delivery System:

- create database retail_store;
- use retail_store;
- create table branches(br_id int primary key, location varchar(30), mgr_id int);
- create table employees(emp_id int primary key, emp_name varchar(30), contact varchar(30), br_id int, dept_id int);
- create table trainees(tr_id int primary key, tr_name varchar(30), mentor_id int);
- create table departments(dept_id int primary key, dept_name varchar(30), salary int);
- create table products(p_id int primary key, p_name varchar(50), description varchar(100), ctg_id int, cost_price int, sell_price int);
- create table product_category(ctg_id int primary key, ctg_name varchar(30));
- create table discount(p_id int primary key, percentage int);
- create table inventory(br_id int , p_id int , quantity int, primary key(br_id, p_id));
- create table customers(cust_id int primary key, cust_name varchar(30), cust_contact varchar(30), address varchar(100));
- create table orders(ord_id int, cust_id int, br_id int, p_id int, quantity int, ord_date date);

- create table product_reviews(cust_id int, p_id int, review varchar(200), primary key(cust_id, p_id));
- create table branch_reviews(cust_id int, br_id int, review varchar(200), primary key(cust_id, br_id));
- create table suppliers(sup_id int primary key, sup_name varchar(30), contact varchar(30));
- create table order_for_supply(order_id int, br_id int, sup_id int, p_id int, quantity int, order_date date);
- create table supplier_invoice(inv_no int primary key, sup_id int, inv_month int, inv_year int, amount int);
- create table branch_expenditure(br_id int, exp_month int, exp_year int, expense int, primary key(br_id, exp_month, exp_year));
- create table monthly_sales(br_id int, sale_month int, sale_year int, amount int, primary key(br_id, sale_month, sale_year));
- create table delivery_personnel(d_id int primary key, d_name varchar(30), contact varchar(30));
- create table deliveries(ord_id int primary key, d_id int, deli_date date, dispatch_time time, delivered_time time);
- create table delivery_personnel_salary(d_id int, sal_month int, sal_year int, amount int, primary key(d_id, sal_month, sal_year));
- alter table employees add foreign key(br_id) references branches(br_id);
- alter table employees add foreign key(dept_id) references departments(dept_id);
- alter table branches add foreign key(mgr_id) references employees(emp_id);
- alter table trainees add foreign key(mentor_id) references employees(emp_id);
- alter table products add foreign key(ctg_id) references product_category(ctg_id);

- alter table discount add foreign key(p_id) references products(p_id);
- alter table inventory add foreign key(br_id) references branches(br_id);
- alter table inventory add foreign key(p_id) references products(p_id);
- alter table orders add foreign key(cust_id) references customers(cust_id);
- alter table orders add foreign key(br_id) references branches(br_id);
- alter table orders add foreign key(p_id) references products(p_id);
- alter table order_for_supply add foreign key(br_id) references branches(br_id);
- alter table order_for_supply add foreign key(sup_id) references suppliers(sup_id);
- alter table order_for_supply add foreign key(p_id) references products(p_id);
- alter table supplier_invoice add foreign key(sup_id) references suppliers(sup_id);
- alter table branch_expenditure add foreign key(br_id) references branches(br_id);
- alter table monthly_sales add foreign key(br_id) references branches(br_id);
- alter table deliveries add foreign key(d_id) references delivery_personnel(d_id);
- alter table delivery_personnel_salary add foreign key(d_id) references delivery_personnel(d_id);
- alter table branch_reviews add foreign key(cust_id) references customers(cust_id);
- alter table branch_reviews add foreign key(br_id) references branches(br_id);
- alter table product_reviews add foreign key(cust_id) references customers(cust_id);
- alter table product_reviews add foreign key(p_id) references products(p_id);