**Звіт до лабораторної роботи №7**

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USE `database`;

CREATE TABLE `Receipts` (

    `Receipt\_ID` INT NOT NULL AUTO\_INCREMENT,

    `Date` DATE NOT NULL,

    `Client\_ID` INT NOT NULL,

    `Worker\_ID` INT NOT NULL,

    PRIMARY KEY (`Receipt\_ID`)

);

CREATE TABLE `Positions` (

    `Position\_ID` INT NOT NULL AUTO\_INCREMENT,

    `Position\_Name` VARCHAR(255) NOT NULL,

    `Salary` FLOAT NOT NULL,

    PRIMARY KEY (`Position\_ID`)

);

CREATE TABLE `Workers` (

    `Worker\_ID` INT NOT NULL AUTO\_INCREMENT,

    `First\_Name` VARCHAR(255) NOT NULL,

    `Last\_Name` VARCHAR(255) NOT NULL,

    `Position` INT NOT NULL,

    `Birthday` DATE NOT NULL,

    `Adress` VARCHAR(255) NOT NULL,

    PRIMARY KEY (`Worker\_ID`)

);

CREATE TABLE `Clients` (

    `Client\_ID` INT NOT NULL AUTO\_INCREMENT,

    `Firts\_Name` VARCHAR(255) NOT NULL,

    `Last\_Name` VARCHAR(255) NOT NULL,

    `Telefon` INT NOT NULL,

    `Start\_Of\_Coop` DATE NOT NULL,

    `Discount` FLOAT NOT NULL,

    `Birthday` DATE NOT NULL,

    PRIMARY KEY (`Client\_ID`)

);

CREATE TABLE `Supliers` (

    `Suplier\_ID` INT NOT NULL AUTO\_INCREMENT,

    `Suplier\_Name` VARCHAR(255) NOT NULL,

    `Adress` VARCHAR(255) NOT NULL,

    `Phone\_Number` INT NOT NULL,

    `Contact\_Person` VARCHAR(255) NOT NULL,

    PRIMARY KEY (`Suplier\_ID`)

);

CREATE TABLE `Invoices` (

    `Invoice\_ID` INT NOT NULL AUTO\_INCREMENT,

    `Suplier\_ID` INT NOT NULL,

    `Worker\_ID` INT NOT NULL,

    `Date` DATE NOT NULL,

    PRIMARY KEY (`Invoice\_ID`)

);

CREATE TABLE `Items` (

    `Item\_ID` INT NOT NULL AUTO\_INCREMENT,

    `Item\_Name` VARCHAR(255) NOT NULL,

    `Price` FLOAT NOT NULL,

    `Best\_Before` INT NOT NULL,

    PRIMARY KEY (`Item\_ID`)

);

CREATE TABLE `Receipts\_Items` (

    `Receipt\_ID` INT NOT NULL,

    `Item\_ID` INT NOT NULL,

    `Amount` FLOAT NOT NULL,

    PRIMARY KEY (`Receipt\_ID`,`Item\_ID`)

);

CREATE TABLE `Invoices\_Items` (

    `Invoice\_ID` INT NOT NULL,

    `Item\_ID` INT NOT NULL,

    `Amount` FLOAT NOT NULL,

    PRIMARY KEY (`Invoice\_ID`,`Item\_ID`)

);

ALTER TABLE `Receipts` ADD CONSTRAINT `Receipts\_fk0` FOREIGN KEY (`Client\_ID`) REFERENCES `Clients`(`Client\_ID`);

ALTER TABLE `Receipts` ADD CONSTRAINT `Receipts\_fk1` FOREIGN KEY (`Worker\_ID`) REFERENCES `Workers`(`Worker\_ID`);

ALTER TABLE `Workers` ADD CONSTRAINT `Workers\_fk0` FOREIGN KEY (`Position`) REFERENCES `Positions`(`Position\_ID`);

ALTER TABLE `Invoices` ADD CONSTRAINT `Invoices\_fk0` FOREIGN KEY (`Suplier\_ID`) REFERENCES `Supliers`(`Suplier\_ID`);

ALTER TABLE `Invoices` ADD CONSTRAINT `Invoices\_fk1` FOREIGN KEY (`Worker\_ID`) REFERENCES `Workers`(`Worker\_ID`);

ALTER TABLE `Receipts-Items` ADD CONSTRAINT `Receipts-Items\_fk0` FOREIGN KEY (`Receipt\_ID`) REFERENCES `Receipts`(`Receipt\_ID`);

ALTER TABLE `Receipts-Items` ADD CONSTRAINT `Receipts-Items\_fk1` FOREIGN KEY (`Item\_ID`) REFERENCES `Items`(`Item\_ID`);

ALTER TABLE `Invoices-Items` ADD CONSTRAINT `Invoices-Items\_fk0` FOREIGN KEY (`Invoice\_ID`) REFERENCES `Invoices`(`Invoice\_ID`);

ALTER TABLE `Invoices-Items` ADD CONSTRAINT `Invoices-Items\_fk1` FOREIGN KEY (`Item\_ID`) REFERENCES `Items`(`Item\_ID`);





