CIND-110 Class (Section DHD) ,Mohsen Selseleh, 500726502

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| CREATE TABLE instrument(  InstrumentID int PRIMARY KEY,  Name varchar(50) NOT NULL  );  CREATE TABLE adviser(  SIN varchar(20) PRIMARY KEY,  Name varchar(50) NOT NULL,  Speciality varchar(100) NOT NULL,  YearsOfExperience int NOT NULL  );  CREATE TABLE Issuer(  IssuerID int PRIMARY KEY,  IssuerName varchar(20) NOT NULL unique,  Phone varchar(20) NOT NULL,  IsActive bit NOT NULL default 1  );  CREATE TABLE exchange(  ExchangeID int PRIMARY KEY,  Name varchar(50) NOT NULL unique,  Address varchar(100) NOT NULL,  Phone varchar(20) NOT NULL  );  CREATE TABLE client(  SIN varchar(20) PRIMARY KEY,  Name varchar(50) NOT NULL,  Address varchar(100) NOT NULL,  Age int NOT NULL,  PrimaryAdviserSIN varchar(20) NOT NULL,  FOREIGN KEY (PrimaryAdviserSIN) REFERENCES adviser(SIN)  );  CREATE TABLE security(  SecurityID int PRIMARY KEY,  Symbol varchar(10) NOT NULL,  TradeName varchar(20) NOT NULL unique,  IssuerID int NOT NULL,  InstrumentID int NOT NULL,  FOREIGN KEY (IssuerID) REFERENCES Issuer(IssuerID),  FOREIGN KEY (InstrumentID) REFERENCES instrument(InstrumentID)  );  CREATE TABLE advisersecurity(  AdviserSIN varchar(20) NOT NULL,  SecurityID int NOT NULL,  Quantity int NOT NULL,  PRIMARY KEY(AdviserSIN, SecurityID),  FOREIGN KEY (AdviserSIN) REFERENCES adviser(SIN),  FOREIGN KEY (SecurityID) REFERENCES security(SecurityID)  );  CREATE TABLE clientAdviser(  ClientSIN varchar(20) NOT NULL,  AdviserSIN varchar(20) NOT NULL,  PRIMARY KEY(ClientSIN, AdviserSIN),  FOREIGN KEY (ClientSIN) REFERENCES client(SIN),  FOREIGN KEY (AdviserSIN) REFERENCES adviser(SIN)  );  CREATE TABLE clientsecurity(  SIN varchar(20) NOT NULL,  SecurityID int NOT NULL,  Quantity int NOT NULL,  PRIMARY KEY(SIN, SecurityID),  FOREIGN KEY (SIN) REFERENCES client(SIN),  FOREIGN KEY (SecurityID) REFERENCES security(SecurityID)  );  CREATE TABLE exchangesecurity(  ExchangeID int NOT NULL,  SecurityID int NOT NULL,  Price decimal(12, 4) NOT NULL,  Currency varchar(10) NOT NULL,  PRIMARY KEY(ExchangeID, SecurityID),  FOREIGN KEY (ExchangeID) REFERENCES exchange(ExchangeID),  FOREIGN KEY (SecurityID) REFERENCES security(SecurityID)  );  CREATE TABLE issuerexchange(  IssuerID int NOT NULL,  ExchangeID int NOT NULL,  StartDate date NOT NULL,  EndDate date NOT NULL,  Description varchar(200) NOT NULL,  PRIMARY KEY(IssuerID, ExchangeID),  FOREIGN KEY (IssuerID) REFERENCES Issuer(IssuerID),  FOREIGN KEY (ExchangeID) REFERENCES exchange(ExchangeID)  );  INSERT INTO instrument (InstrumentID, Name) VALUES (1, 'Securities');  INSERT INTO instrument (InstrumentID, Name) VALUES (2, 'Commodities');  INSERT INTO instrument (InstrumentID, Name) VALUES (3, 'Derivatives');  INSERT INTO adviser (SIN, Name, Speciality, YearsOfExperience) VALUES ('1000', 'John', 'Long term Trading', 10);  INSERT INTO adviser (SIN, Name, Speciality, YearsOfExperience) VALUES ('1001', 'Oliver', 'Short term Trading', 15);  INSERT INTO adviser (SIN, Name, Speciality, YearsOfExperience) VALUES ('1002', 'William', 'Sharemarket', 5);  INSERT INTO Issuer (IssuerID, IssuerName, Phone, IsActive) VALUES (1, 'FSI', '0111111111', 1);  INSERT INTO Issuer (IssuerID, IssuerName, Phone, IsActive) VALUES (2, 'IBM', '0222222222', 1);  INSERT INTO Issuer (IssuerID, IssuerName, Phone, IsActive) VALUES (3, 'MICROSOFT', '0333333333', 1);  INSERT INTO exchange (ExchangeID, Name, Address, Phone) VALUES (1, 'Dow Jones', '1211 Avenue of the Americas New York, NY 10036 U.S.', '0111111121');  INSERT INTO exchange (ExchangeID, Name, Address, Phone) VALUES (2, 'Nasdaq', '51 W. 42nd Street New York, NY 10036', '0111111122');  INSERT INTO exchange (ExchangeID, Name, Address, Phone) VALUES (3, 'S & P', '6393 Powers Ave, Jacksonville, FL 32217, USA', '0111111123');  INSERT INTO client (SIN, Name, Address, Age, PrimaryAdviserSIN) VALUES ('0001', 'Emma', '132 Zanzibar Dr, Aptos, CA, 95003', 30, '1001');  INSERT INTO client (SIN, Name, Address, Age, PrimaryAdviserSIN) VALUES ('0002', 'Henry', '1101 Harris St, Kelso, WA, 98626', 20, '1001');  INSERT INTO client (SIN, Name, Address, Age, PrimaryAdviserSIN) VALUES ('0003', 'Alex', '704 Blue River Br, Prestonsburg, KY, 41653', 40, '1002');  INSERT INTO security (SecurityID, Symbol, TradeName, IssuerID, InstrumentID) VALUES (1, 'DIS', 'DQ', 1, 1);  INSERT INTO security (SecurityID, Symbol, TradeName, IssuerID, InstrumentID) VALUES (2, 'NASDAQ', 'NVDA', 2, 1);  INSERT INTO security (SecurityID, Symbol, TradeName, IssuerID, InstrumentID) VALUES (3, 'NYSE', 'VZ', 3, 1);  INSERT INTO advisersecurity(AdviserSIN, SecurityID, Quantity) VALUES ('1001', 1, '1000');  INSERT INTO advisersecurity(AdviserSIN, SecurityID, Quantity) VALUES ('1001', 2, '2000');  INSERT INTO advisersecurity(AdviserSIN, SecurityID, Quantity) VALUES ('1002', 3, '3000');  INSERT INTO clientAdviser (ClientSIN, AdviserSIN) VALUES ('0001', '1001');  INSERT INTO clientAdviser (ClientSIN, AdviserSIN) VALUES ('0001', '1002');  INSERT INTO clientAdviser (ClientSIN, AdviserSIN) VALUES ('0002', '1001');  INSERT INTO clientAdviser (ClientSIN, AdviserSIN) VALUES ('0003', '1002');  INSERT INTO clientsecurity (SIN, SecurityID, Quantity) VALUES ('0001', 1, 100);  INSERT INTO clientsecurity (SIN, SecurityID, Quantity) VALUES ('0002', 2, 200);  INSERT INTO clientsecurity (SIN, SecurityID, Quantity) VALUES ('0003', 3, 300);  INSERT INTO exchangesecurity (ExchangeID, SecurityID, Price, Currency) VALUES (1, 1, 111.0000, 'USD');  INSERT INTO exchangesecurity (ExchangeID, SecurityID, Price, Currency) VALUES (2, 2, 222.0000, 'USD');  INSERT INTO exchangesecurity (ExchangeID, SecurityID, Price, Currency) VALUES (3, 3, 333.0000, 'USD');  INSERT INTO issuerexchange (IssuerID, ExchangeID, StartDate, EndDate, Description) VALUES (1, 1, '20210501', '20210621', 'First');  INSERT INTO issuerexchange (IssuerID, ExchangeID, StartDate, EndDate, Description) VALUES (2, 2, '20210121', '20210706', 'Second');  INSERT INTO issuerexchange (IssuerID, ExchangeID, StartDate, EndDate, Description) VALUES (3, 3, '20210221', '20210706', 'Third'); |