-------------------STOCK\_A------------------

Create Table STOCK\_A (Ticker\_Symbol varchar(10) NOT NULL,

RISK VARCHAR(10),

INVESTMENT VARCHAR(10))

-----------------------------------------------------#1--Client Table--------------------------------------------

Create table Client(

Client\_Id int PRIMARY KEY,

First\_Name varchar2(50) NOT NULL,

Last\_Name varchar2(50) NOT NULL,

Street varchar(255) NOT NULL,

Contact\_Number Number(10) NOT NULL,

SSN varchar(10) NOT NULL UNIQUE,

email varchar2(80) NOT NULL CONSTRAINT email\_format CHECK (REGEXP\_LIKE (email, '^\w+(\.\w+)\*+@\w+(\.\w+)+$')),

City varchar(20) NOT NULL,

State varchar(20) NOT NULL,

zip\_code Number(5) NOT NULL);

---------------------------------------------------------------#9--Category Table--------------------------------------------------

create table Category(

Cat\_ID varchar(10) PRIMARY KEY,

Category\_Name varchar(25) NOT NULL,

Brokerage\_Rate int NOT NULL);

--#2---client strategy table--------------------------

Create table Client\_strat(

Strategy\_ID varchar(10) Primary key,

Cat\_ID varchar(10) NOT NULL,

Brand\_value Varchar(10) NOT NULL,

Investment varchar(10) NOT NULL,

Parameter\_Value int NOT NULL,

FOREIGN KEY(CAT\_ID) REFERENCES CATEGORY(CAT\_ID) );

--#3--Strategy\_Category Table--------------------------------------

create table Strategy\_Category(

Client\_ID int NOT NULL ,

Cat\_ID Varchar(10) ,

Strategy\_ID Varchar(10),

Brand\_Value Varchar(10) NOT NULL ,

Investment Varchar(10) NOT NULL ,

Parameter\_Value int NOT NULL,

FOREIGN KEY(Strategy\_ID) REFERENCES CLIENT\_STRAT(STRATEGY\_ID),

FOREIGN KEY(CAT\_ID) REFERENCES CATEGORY(CAT\_ID) );

--#4--Healthcare Table------------------------------------------

CREATE TABLE Healthcare (

Stock\_Name Varchar(255),

Ticker\_Symbol Varchar(10),

Last\_Value Float,

Change\_Value Float,

Brand\_Value Varchar(10),

Cat\_id Varchar(10),

FOREIGN KEY(CAT\_ID) REFERENCES CATEGORY(CAT\_ID) );

--#5--Energysector Table------------------------------------------

CREATE TABLE Energysector (

Stock\_Name Varchar(255),

Ticker\_Symbol Varchar(10),

Last\_Value Float,

Change\_Value Float,

Brand\_Value Varchar(10),

Cat\_id Varchar(10),

FOREIGN KEY(CAT\_ID) REFERENCES CATEGORY(CAT\_ID) );

--#6--Technology Table-----------------------------------------------

CREATE TABLE Technology (

Stock\_Name Varchar(255),

Ticker\_Symbol Varchar(10),

Last\_Value Float,

Change\_Value Float,

Brand\_Value Varchar(10),

Cat\_id Varchar(10),

FOREIGN KEY(CAT\_ID) REFERENCES CATEGORY(CAT\_ID) );

--#7--Industrials Table-------------------------------------------------

CREATE TABLE Industrials (

Stock\_Name Varchar(255),

Ticker\_Symbol Varchar(10),

Last\_Value Float,

Change\_Value Float,

Brand\_Value Varchar(10),

Cat\_id Varchar(10),

FOREIGN KEY(CAT\_ID) REFERENCES CATEGORY(CAT\_ID) );

--#8--ConsumerDiscretionary Table----------------------------------------

CREATE TABLE ConsumerDiscretionary (

Stock\_Name Varchar(255),

Ticker\_Symbol Varchar(10),

Last\_Value Float,

Change\_Value Float,

Brand\_Value Varchar(10),

Cat\_id Varchar(10),

FOREIGN KEY(CAT\_ID) REFERENCES CATEGORY(CAT\_ID) );

--#10--Stock\_Parameter Table-------------------------------------

create table Stock\_Parameter(

Ticker\_Symbol varchar(10) NOT NULL,

Cat\_ID varchar(10) NOT NULL,

News int NOT NULL,

Dividends\_Announced int NOT NULL,

Product\_Release int NOT NULL,

New\_Contract int NOT NULL,

Employee\_Layoff int NOT NULL,

Takeover int NOT NULL,

Mgmt\_Changes int NOT NULL,

Scandals int NOT NULL,

EPS int NOT NULL,

PE\_ratio int NOT NULL,

Exchange\_rate int NOT NULL,

CONSTRAINT PK\_SP PRIMARY KEY(TICKER\_SYMBOL,CAT\_ID),

FOREIGN KEY(CAT\_ID) REFERENCES CATEGORY(CAT\_ID) );

--#11--Client\_Port (Client Portfolio Table)----------------------

create table client\_portf(

Client\_Id int NOT NULL,

Category\_Name varchar(25) NOT NULL,

Cat\_ID Varchar(10) NOT NULL,

FOREIGN KEY(CAT\_ID) REFERENCES CATEGORY(CAT\_ID),

FOREIGN KEY(CLIENT\_ID) REFERENCES CLIENT(CLIENT\_ID));

--#12--Client\_Category Table----------------------------------------

create table Client\_Category (

Client\_ID int NOT NULL ,

Cat\_ID Varchar(10) NOT NULL ,

Brokerage\_Rate int NOT NULL,

FOREIGN KEY(CAT\_ID) REFERENCES CATEGORY(CAT\_ID),

FOREIGN KEY(CLIENT\_ID) REFERENCES CLIENT(CLIENT\_ID),

Primary key (CAT\_ID,CLIENT\_ID));

----------------------------#13--Mail Table------------------------------------------------------

create table mail(

Client\_ID int,

v\_from varchar2(80) default 'stockfundmgmt@gmail.com',

v\_to varchar2(80) Not Null,

v\_subject varchar2(80) default 'Accepted Stocks list',

v\_cc varchar2(80) default 'Nil',

v\_bcc varchar2(80) default 'admin@gmail.com',

FOREIGN KEY(Client\_ID) REFERENCES CLIENT(Client\_ID)

);