#include <iostream>

#include <windows.h>

#include <mysql.h>

#include <string>

#include <ctime>

#include<sstream>

using namespace std;

bool insert\_status;

MYSQL\* conn;

MYSQL\_ROW row;

MYSQL\_RES \*res;

int qstate;

MYSQL\* my()

{

conn = mysql\_init(0);

//connect to a database pharmaccutical\_industry

conn = mysql\_real\_connect(conn,"localhost","root","","pharmaccutical\_industry",0,NULL,0);

return conn;

}

bool var(string nu,string drugname,string manufacturer,string date\_of\_stock,string expiry\_date,string detail){

//add item to the database

string query="INSERT INTO drugs(id,drugname,manufacturer,date\_of\_stock,expiry\_date,detail) VALUES ('"+nu+"','"+drugname+"','"+manufacturer+"','"+date\_of\_stock+"','"+expiry\_date+"','"+detail+"')";

const char\* q = query.c\_str();

qstate=mysql\_query(my(),q);

if(!qstate){

insert\_status=true;

}else{

insert\_status=false;

}

return insert\_status;

}

int main()

{

//call the above method

//i.e call the database function

MYSQL\* conn=my();

if(conn)

{

int n;

//create table drugs in the database for storing of register drugs

string query=" CREATE TABLE IF NOT EXISTS drugs(id INT UNSIGNED AUTO\_INCREMENT PRIMARY KEY,drugname VARCHAR(40) NOT NULL,manufacturer VARCHAR(40) NOT NULL,date\_of\_stock VARCHAR(40) NOT NULL,expiry\_date VARCHAR(40) NOT NULL,detail VARCHAR(40) NOT NULL) ";

const char\* q = query.c\_str();

mysql\_query(conn, q);

cout<<mysql\_error(conn);

cout<<"1) Press 1 to insert data to the database\n";

cout<<"2) Press 2 to display drugname registered on the database\n";

//cout<<"3) Press 1 to update data in the database\n\n";

do{

cout<<"\nEnter choice\n";

cin>>n;

if((n==1)){

string drug\_name;

cout<<"Enter the drug name you want to add to database:\n";

getline(cin,drug\_name);

getline(cin,drug\_name);

//select all drugs from database

string que="SELECT \*FROM drugs WHERE drugname ='"+drug\_name+"'";

const char\* qu = que.c\_str();

qstate=mysql\_query(conn, qu);

res = mysql\_store\_result(conn);

//fetch rows of the database to get each of the element

row=mysql\_fetch\_row(res);

if(row==0){

time\_t now = time(0);

tm \*ltm = localtime(&now);

//register the drug manufacturer into the database

string manufacturer;

cout<<"Enter the manufacturer of the drug:\n";

//getline is used to obtain data from input

getline(cin, manufacturer);

int x=ltm->tm\_mday;

int y=ltm->tm\_mon+1;

int z=ltm->tm\_year+1900;

stringstream ss;

ss<<x;

string s;

ss>>s;

string x1=s;

stringstream sos;

sos<<y;

sos>>s;

string y1=s;

stringstream soso;

soso<<z;

soso>>s;

string z1=s;

//the stock date is the default date of the system;

string date\_of\_stock=x1+"/"+y1+"/"+z1;

string expiry\_date;

//enter the expire date of the drug

cout<<"Enter the expiring date of the drug:\n";

getline(cin, expiry\_date);

//description of the drug on hat kind of work its doing

string detail;

cout<<"Enter the details of the drug:\n";

getline(cin, detail);

// string nu="6";

bool u=var("NULL",drug\_name,manufacturer,date\_of\_stock,expiry\_date,detail);

if(u){

cout<<"\n "<<drug\_name<<" is registered successfully";

}else{

cout<<"\n unable to register"<<drug\_name<<"\n";

}

//row=mysql\_fetch\_row(res);

} else{

cout<<"\n"<<drug\_name<<" Aready exist\n";

}}else if(n==2){

//select from database drug

string que="SELECT \*FROM drugs ";

const char\* qu = que.c\_str();

qstate=mysql\_query(conn, qu);

res = mysql\_store\_result(conn);

cout<<"Drugname "<<" \t Manufacturer"<<" \t Date of stock "<<"\t Expiry date "<<"\t Detail \n";

while(row=mysql\_fetch\_row(res)){

cout<<row[1]<<"\t "<<row[2]<<" \t"<<row[3]<<" \t "<<row[4]<<" \t "<<row[5]<<"\n";

};

}

}while(n!=0);

} else

cout<<"connection problem: "<<mysql\_error(conn)<<endl;

// cout << "Hello world!" << endl;

return 0;

}