/\* Processed by ecpg (4.11.0) \*/

/\* These include files are added by the preprocessor \*/

#include <ecpglib.h>

#include <ecpgerrno.h>

#include <sqlca.h>

/\* End of automatic include section \*/

#line 1 "2\_1\_consoleapp.pgc"

#include<stdio.h>

#include<stdlib.h>

#include<postgresql/libpq-fe.h>

#include<string.h>

char login[1000],username[200];

const char \*password;

void updateQuery(PGconn \*conn, char str[]) {

PGresult \*q;

int rec\_count;

q = PQexec(conn, str);

if (PQresultStatus(q) != PGRES\_COMMAND\_OK)

puts("sorry your query result has failed!");

else

puts("query successfully executed");

}

void executeQuery(PGconn \* conn, char str[]) {

PGresult \*q;

int rec\_count;

q = PQexec(conn, str);

if (PQresultStatus(q) != PGRES\_TUPLES\_OK)

puts("there is no data regarding this query!");

int rows = PQntuples(q);

int cols = PQnfields(q);

int row;

int col;

printf("We received %d records.\n", rows);

puts("==============================================");

for (row = 0; row < rows; row++) {

for (col = 0; col < cols; col++) {

printf("%s\t", PQgetvalue(q, row, col));

}

puts("");

}

}

int main() {

PGconn \*conn;

PGresult \*res;

int rec\_count;

int row;

int col;

strcat(login,"hostaddr=10.100.71.21 port=5432 dbname=201501205 user=201501205 password=\*dbmsgroup4.2\*");

conn = PQconnectdb("hostaddr=10.100.71.21 port=5432 user=201501205 dbname=201501205 password=\*dbmsgroup4.2\*");

if (PQstatus(conn) == CONNECTION\_BAD)

{

puts("We were unable to connect to the database");

exit(0);

}

res = PQexec(conn,"set search\_path to paralympic;");

while(1){

printf("1 for insert, update or delete \n2 for query\n");

int option;

printf("Choice: ");

scanf("%d",&option);

getchar();

char query[300];

printf("Query: ");

scanf("%[^\n]s", query);

if(option==1)

updateQuery(conn, query);

else if(option==2)

executeQuery(conn, query);

else

printf("Please Enter valid choice\n");

puts("===============================================");

}

PQclear(res);

PQfinish(conn);

return 0;

}