public static void updatePublishers(Statement stmt) throws SQLException

{

input.nextLine();

try{

System.out.println("What is the publisher's name: ");

String name = input.nextLine();

if(name.contains("'"))

{

int x = name.indexOf("'");

String newString = name.substring(0, x) + "'" + name.substring(x, name.length());

//System.out.println(newString);

name = newString;

}

System.out.println("What is the publisher's address: ");

String address = input.nextLine();

boolean validPhone = false;

String phone = "";

while(!validPhone)

{

System.out.print("What is the publisher phone: ");

phone = input.nextLine();

//Regex to validate phone number

String pattern = "\\d{10}|(?:\\d{3}-){2}\\d{4}|\\(\\d{3}\\)\\d{3}-?\\d{4}";

if(phone.matches(pattern))

validPhone = true;

else

System.out.println("Invalid Phone Number");

}

System.out.println("What is the publisher email: ");

String email = input.nextLine();

try

{

String sql = "INSERT INTO PUBLISHER VALUES('"+name+"' , '"+address+"' , '"+phone+"' , '"+email+"')";

//System.out.println(sql);

stmt.executeUpdate(sql);

System.out.println("Should the books published by one Publisher now be published by the new Publisher? (Y/N)");

String choice = input.next(), newPublisher = "";

if(choice.equalsIgnoreCase("Y"))

{

input.nextLine();

getAllPublishers(stmt);

System.out.println("What is the name of the publisher that will be updated: ");

newPublisher = input.nextLine();

if(newPublisher.contains("'"))

{

int x = newPublisher.indexOf("'");

String newString = newPublisher.substring(0, x) + "'" + newPublisher.substring(x, newPublisher.length());

//System.out.println(newString);

newPublisher = newString;

}

String update = "update BOOK set publishername= '"+name+"' where publishername= '"+ newPublisher+"'";

//System.out.println(sql);

stmt.execute(update);

System.out.println("Would you like to delete the old publisher? (Y/N)");

String answer = input.next();

if(answer.equalsIgnoreCase("Y"))

{

sql = "DELETE from Publisher WHERE publisherName = '" + newPublisher + "'";

stmt.executeUpdate(sql);

}

}

}

catch(SQLException e)

{

System.out.println("An Error Occured");

}

}

catch(InputMismatchException e)

{

System.out.println("Invalid Input");

updatePublishers(stmt);

}

catch(Exception e)

{

System.out.println("An Error Occured");

updatePublishers(stmt);

}

}

public static void addBook(Statement stmt) throws SQLException

{

String title = "", groupName = "", yearPublished = "", pubName = "";

int numPages = 0;

try

{

input.nextLine();

System.out.println("Enter the title of the book:");

title = input.nextLine();

if(title.contains("'"))

{

int x = title.indexOf("'");

String newString = title.substring(0, x) + "'" + title.substring(x, title.length());

//System.out.println(newString);

title = newString;

}

System.out.println("Enter the Year Published:");

yearPublished = input.next();

System.out.println("Enter the Number of Pages:");

numPages = input.nextInt();

//input.nextLine();

System.out.println("\nchoose one of these registered group names");

getAllGroups(stmt);

System.out.println("\nEnter the Group Name:");

input.nextLine();

groupName = input.nextLine();

//getting the Publisher name

//System.out.println("\nchoose one of these registered group names");

getAllPublishers(stmt);

System.out.println("\nChoose Publisher Name:");

//input.next();

pubName = input.nextLine();

//getPublishers(stmt);

}

catch (InputMismatchException i)

{

System.out.println("Invalid input");

}

catch(Exception e)

{

System.out.println("An Error Occurred");

}

try

{

String sql = "INSERT INTO Book VALUES ('" + title + "', '" + yearPublished + "'," + numPages + ", '" + groupName +"', '"+ pubName +"') ";

//System.out.println("\nSQL = " + sql + "\n");

stmt.executeUpdate(sql);

System.out.println("New book have been inserted");

}

catch(SQLException s)

{

System.out.println("There was a problem. Please try again");

}

catch(Exception e)

{

System.out.println("There was a problem. Please try again");

}

}