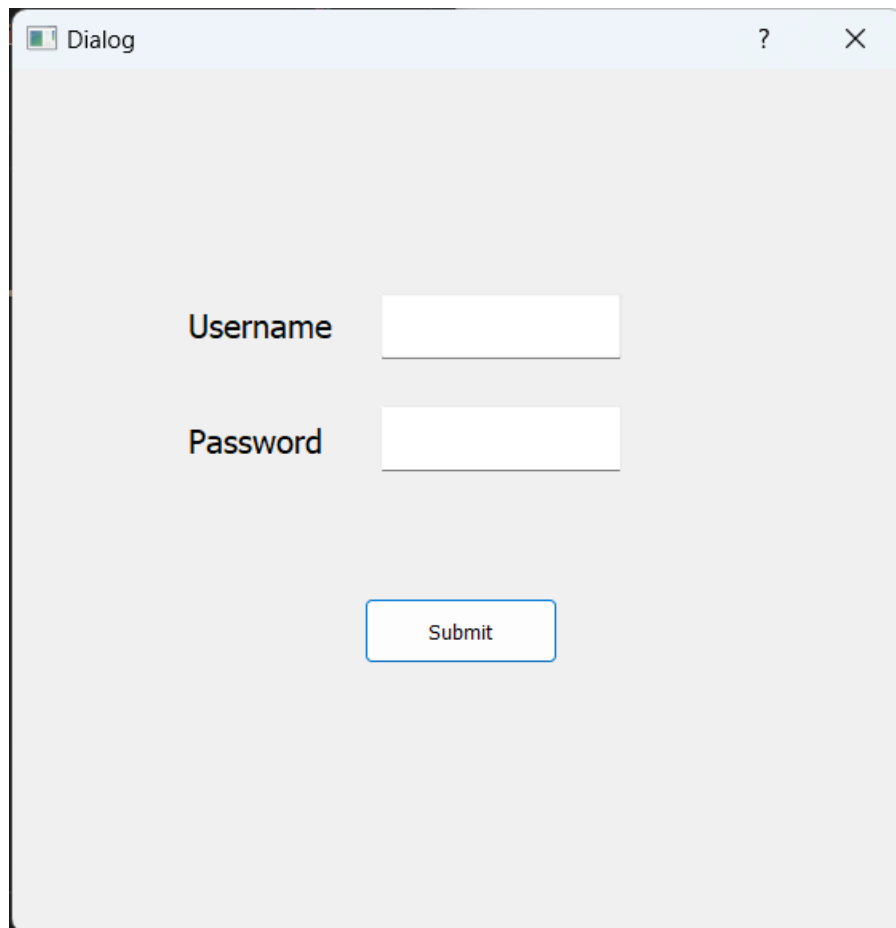# Experiment No. 11

Aim: To implement programs based on PyQt5 and MySql

Code:-

```python
from PyQt5 import QtCore, QtGui, QtWidgets
import mysql.connector as mc


class Ui_Dialog(object):
    def setupUi(self, Dialog):
        Dialog.setObjectName("Dialog")
        Dialog.resize(557, 539)
        self.pushButton = QtWidgets.QPushButton(Dialog)
        self.pushButton.setGeometry(QtCore.QRect(220, 330, 121, 41))
        self.pushButton.setObjectName("pushButton")
        self.pushButton.clicked.connect(self.login)
        self.label = QtWidgets.QLabel(Dialog)
        self.label.setGeometry(QtCore.QRect(110, 140, 91, 41))
        self.label.setObjectName("label")
        self.label_2 = QtWidgets.QLabel(Dialog)
        self.label_2.setGeometry(QtCore.QRect(110, 220, 91, 21))
        self.label_2.setObjectName("label_2")
        self.lineEdit = QtWidgets.QLineEdit(Dialog)
        self.lineEdit.setGeometry(QtCore.QRect(230, 140, 151, 41))
        self.lineEdit.setObjectName("lineEdit")
        self.lineEdit_2 = QtWidgets.QLineEdit(Dialog)
        self.lineEdit_2.setGeometry(QtCore.QRect(230, 210, 151, 41))
```

```python
        self.lineEdit_2.setObjectName("lineEdit_2")

        self.label_3 = QtWidgets.QLabel(Dialog)

        self.label_3.setGeometry(QtCore.QRect(190, 400, 161, 61))

        self.label_3.setObjectName("label_3")


        self.retranslateUi(Dialog)

        QtCore.QMetaObject.connectSlotsByName(Dialog)


    def retranslateUi(self, Dialog):

        _translate = QtCore.QCoreApplication.translate

        Dialog.setWindowTitle(_translate("Dialog", "Dialog"))

        self.pushButton.setText(_translate("Dialog", "Submit"))

        self.label.setText(_translate("Dialog", "<html><head/><body><p><span style=\" font-size:12pt;\">Username</span></p></body></html>"))

        self.label_2.setText(_translate("Dialog", "<html><head/><body><p><span style=\" font-size:12pt;\">Password</span></p></body></html>"))

                                        self.label_3.setText(_translate("Dialog", "<html><head/><body><p><br/></p></body></html>"))


    def login(self):

        try:

            username = self.lineEdit.text()

            password = self.lineEdit_2.text()

            mydb = mc.connect(host="localhost", user="root", password="", database="user")

            mycursor = mydb.cursor()

            query = "select username, password from login where username like '"+username+"' and password like '"+password+"'"
```

```python
                mycursor.execute(quer

y)

        result = mycursor.fetchone()

        if result == None:

            self.label_3.setText("Incorrect")

        else:

            self.label_3.setText("You are logged in")

    except Exception as e:

        print(e)

        self.label_3.setText("Error")


if __name__ == "__main__":

    import sys

    app = QtWidgets.QApplication(sys.argv)

    Dialog = QtWidgets.QDialog()

    ui = Ui_Dialog()

    ui.setupUi(Dialog)

    Dialog.show()

    sys.exit(ap
```
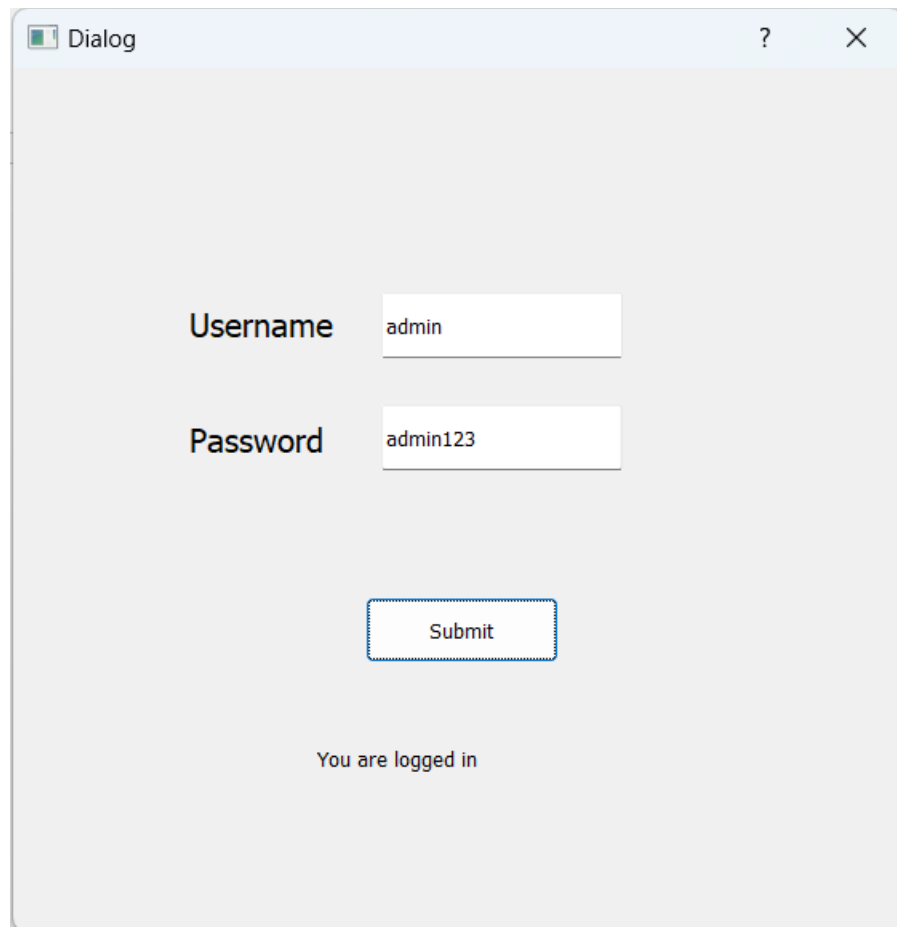
Output:-