Question 1：

1. This code is saved in q1.py.
2. This program allows the user to input an integer n. The output is the sqrt(n).
3. The difference is less than 0.0001.

Output:

文本

描述已自动生成

Question 2:

1. This code is saved in q2.py.
2. This program outputs the emirps.

Output:

文本

描述已自动生成

Question 3:

1. This code is saved in q3.py.
2. This program allows user to input a card number, and output whether the card number is valid or not.

Output:

文本

描述已自动生成

Question 4：

1. This program is saved in q4.py.
2. This program allows users to input two word, and output is whether the words are anagrams or not.

Output:

文本

描述已自动生成

Question 5：

1. This program is saved in q5.py.
2. This program outputs the open lockers in the 100 keys.

Outputs:

图形用户界面, 应用程序

中度可信度描述已自动生成

Question 6：

1. This program is saved in q6.py.
2. This program outputs the all the solutions of the 8 Queen Problem and a graph of one of the answer. I used a list included 8 numbers to represent each queen’s position in each line. The whole output includes 92 lists and one graph.

Output:

文本

描述已自动生成