Section B

Enter your answers to **Section B** in your Electronic Answer Document.
You **must save** this document at regular intervals.

The question in this section asks you to write program code **starting from a new program/project/file**.

You are advised to save your program at regular intervals.

| 0 | 1 |

A number is considered **jumbled** if for every digit, its neighbours differs by max 1.

Figure 1 and **Figure 2** check to see if a number is jumbled or not.

Figure 1

```
Input: 6765
Output: True, all neighbouring digits differ by a maximum of 1
```

Figure 2

```
Input: 1235
Output: False
```

What you need to do

Task 1
Write a program that will check to see if a number is jumbled. The program should display a suitable prompt asking the user to input the number to use and then output the corresponding message.

Task 2
Test the program works by entering the number `1273 and 56543`.

Evidence that you need to provide
Include the following in your Electronic Answer Document.

| 0 | 1 |.| 1 | Your PROGRAM SOURCE CODE.

[12 marks]

| 0 | 1 |.| 2 | SCREEN CAPTURE(S) for the test showing the output of
the program when `1273` and `56543` is entered.

[2 mark]