Section B

You are advised to spend no more than **20 minutes** on this section.

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.

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0 1   A number is considered **lucky** if all the digits of the number are different.

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

Figure 1

```
Input: 983
Output: True, all digits are different
```

Figure 2

```
Input: 9838
Output: False, the following digits are repeated: 8
```

What you need to do

Task 1
Write a program that will check to see if a number is lucky. The program should display a suitable prompt asking the user to input the number to use and then output the corresponding message. If the number is not lucky, the digits that repeat should be stated.

Task 2
Test the program works by entering the number 48925, 693829 and 923291.

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

0 1 . **1**	Your PROGRAM SOURCE CODE.
	[11 marks]

0 1 . **2**	SCREEN CAPTURE(S) for the test showing the output of the program when `48925` is entered.
	[1 mark]

0 1 . **3**	SCREEN CAPTURE(S) for the test showing the output of the program when `693829` and `923291` is entered.
	[2 marks]