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.

| 0 | 1 | Write a program that checks which numbers from a series of numbers entered by the user are prime numbers.

The program should get a number from the user and then display the messages:

- `"Not greater than 1"` if the number entered is 1 or less
- `"Is prime"` if the number entered is a prime number
- `"Is not prime"` otherwise.

The user should then be asked if they want to enter another number and the program should repeat if they say that they do.

A prime number is a positive integer that will leave a remainder if it is divided by any positive integer other than 1 and itself.

You may assume that each number entered by the user is an integer.

If your program only works correctly for some prime numbers you will get some marks for this question. To get full marks for this question, your program must work correctly for any valid integer value that the user enters.

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) showing the result of testing the program by:
- entering the number 1
- then choosing to enter another number
- then entering the number 5
- then choosing to enter another number
- then entering the number 8
- and then choosing not to enter another number.

[1 mark]