Name:Click here to enter text.

You need to select **only 1** of the assessment challenges.

To complete the challenge you need to carry out abstract and decompose, produce a flowchart or flowcharts. You will then code it using Python. You need to evidence your code and comment on it in this assessment document. You have **2 hours** to complete your challenge.

![C:\Users\PThornton\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\AEWXH6AP\AlanTuring[1].jpg]()![C:\Users\PThornton\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\AEWXH6AP\Mark-Zuckerberg-CEO-of-Facebook[1].jpg]()**![C:\Users\PThornton\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\IG5I9SI2\481px-Ada_Lovelace_1838[1].jpg]()**

**Zuckerberg** **Lovelace** **Turing**

Create a basic bingo card by selecting 10 random numbers 1,99 to be the users game card.

These will be added to a list

Then call out the numbers until all of the numbers in the game card have been entered.

The program should then calculate the amount of balls called.

If less than 45 balls were called they won, otherwise they lost.

Create a basic bingo card by selecting 10 random numbers 1,99 to be the users game card.

These will be added to a list

Then call out the numbers until all of the numbers in the game card have been entered. When all numbers on the card have been called it should output “bingo”

Create 2 basic bingo cards by selecting 10 random numbers 1,99 to be the users game card.

You will have 2 players playing the game, allow players to enter their name and then output their numbers.

Then call out the numbers until all of the numbers in one game card have been entered.

The program should then calculate the amount of balls called.

It should output who won the game and inform the users.

**Max Mark = 34 Max Mark = 50 Max Mark = 68**

I have chosen to attempt challenge**;** Choose an item.

**Decompose**

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| **Abstract the important information and decompose the problem to list key instructions or use structured English/pseudocode.** |
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**Flowchart**

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| [**Click here to create the algorithm.**](https://www.draw.io/)**Create the algorithm or algorithms and paste/insert them into the area below.** |
|      |

**Project evidence**

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| --- | --- |
| Code | Result |
|  |   |
| Comment on the code. – This is your chance to explain your code The use of keywords and good use of literacy will be assessed. |
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| Code | Result |
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| Comment on the code. – This is your chance to explain your code The use of keywords and good use of literacy will be assessed. |
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