**Summer Project for the T-Level Digital Production, Design & Development**

Thank you for accepting the offer of a place on the **T-level Digital Production, Design and Development** course that starts at Stamford College in September 2024.

Due to the significant amount of coding involved on the course I would like you to complete a free, online course **BEFORE** you start on the course, as it will help you develop an understanding of coding in Python.

1. You will need to create a **free Codecademy account** at <https://www.codecademy.com/>
2. Complete the course ‘**Learn Python 2’**, which should take around 17 hours, as seen below:


3. Once you have completed the course, take a screenshot of the **progress bar** (should say 100%) and email it to me at alan.day@ieg.ac.uk
4. You must also create a Python program that will meet the following requirements

A computer games club has commissioned you as a Junior Software Developer to write a program that will help the club keep a record of players’ scores and provide statistics.

The program should allow the user to record a player’s scores and display statistics.

You need to create a program that will allow the user to enter the following information:

* the player ID
* the number of games played
* the score achieved in each game
* the length of time taken in minutes for each game.

The program should then:

* display the player ID
* display the player’s highest score
* display the average length of time spent playing

**Information**

You are provided with this information to use when designing and developing your program:

* minimum and maximum number of games played
* minimum and maximum time for each game

**Minimum and maximum number of games played**

Minimum number of games = 5

Maximum number of games = 10

**Minimum and maximum time for each game**

Minimum time = 5 minutes

Maximum time = 60 minutes

**Note** – time must be entered and displayed as whole minutes.

1. Once you have written a working program, you can:
	1. email me the source code as a Notepad (.TXT) file at alan.day@ieg.ac.uk

The progress bar from Codecademy **and** the source code from the Python program will form part of the requirements, for what we call **Steps-to-Success**, which we use to ensure you are on the correct programme of study. This process will also include another short programming test in **week 4** of the course.

I hope you get the GCSE results that you deserve and I look forward to meeting you in September.

Alan Day

Course Tutor for T-Level Digital Production, Design and Development