Computing Science (Higher)

These challenges should allow you to revisit existing N5 software development knowledge

1

Create a program which asks the user to enter 5 temperatures, then calculates and shows the average temperature rounded to 2 decimal places. You can choose to use 1D arrays or not for this challenge.

2

Create a program which creates a 1D array of 10 random numbers (from 1-100) and then uses a fixed loop to display them on the screen.

3

Create a program which asks the user to enter the name of 5 runners and the time they took to run 100 m. Store each name and time in two separate 1D arrays. Use a fixed loop to display the name and time of each runner from the 1D arrays.

4

Create a program which asks the user for their name and then generates six random lottery numbers (from 1-50), storing these numbers in a 1D array. Create a suitable output for this program which displays their lottery ticket.