For Loops		
<pre>Try this code: response = "n" while response == "n": response = input("Is Mr. Clarkson</pre>	What colour is the word while ?	
	What does this mean?	
	What happens to the indented line?	
	How many times does this happen?	
	What happens if you type in "N" instead of "n"?	
<pre>Try it a different way: response = "n" while response != "y": response = input("Is Mr. Clarkson</pre>	How does this program behave differently?	
	Give the name of the variable in the first line.	
	What data type is that variable?	
	Explain the purpose of that variable.	

For Loops		
	When does the loop repeat?	
<pre>While loops for validation size = int(input("Shoe size? ") while size > 13: print("Error, must be 1-13") size = int(input("Shoe size? ")</pre>	What would happen if there wasn't an input statement before the loop?	
	What would happen if there wasn't an input statement inside the loop?	
	Explain what is meant by validation	

For Loops Password A program is required to continually ask a user to enter a password until it has been entered correctly. The program should give the user an error message if they enter the wrong password. A message "Entry gained!" should be displayed when the password in entered correctly. You may choose the password. Input Output Please enter the password. Entry gained! snool Sorry, Incorrect.! Try again. Please enter the password. ornery

For Loops You have decided that your user definitely requires some advice. Edit program 17 so that will continue to ask if your user wants advice until they enter Y. Include an amusing message if they enter N and an error message if they don't enter Y or N. Input Output Would you like some advice? Don't feed the Trolls! Please enter Y or N only. Would you like some advice? Don't be silly. You definitely need advice! Would you like some advice?

For Loops No More Presents You have £200 to spend on your birthday. Write a program that will ask you to enter the price of each present you want until your total is over £200. The program should produce the output shown. Output Please enter the price of each present: Input Limit Exceeded. You can't include the £45 present. 35 100 50 45

For Loops Pailwater Darts Tournament (Part 2) The minimum and maximum scores that can be achieved with three darts are 0 and 180. Edit program 28 to validate your input (make sure the scores entered are between 0 and 180). Ensure you give your user an appropriate error message if they type in a wrong value. Input Output Please enter the scores for player one Player one scored: 194 Player two scored: 105 34 204 Player one wins!! Invalid Score! Enter again please: 60 100 Please enter the scores for player two 45 36 24

For Loops Average Temperature (Part 2) Adapt program 25 to validate each temperature. Inputs should be between -40°C and 55°C. As before, the program should output the average temperature for the week but this time the output should be displayed as an integer. Output Input Please enter the seven temperatures. This week's average, 12 14 7 rounded to 0 decimal places was: 10 degrees centigrade 95 Please enter a temperature between -40 and 55 11 11

For Loops Input & Output Guess the hidden number between 1 and 100. Enter your guess. Your guess is too low. Try again. Your guess is too high. Try again. Your guess is too high. Try again. **Guess the Number** Your guess is too low. Try again. A game is created where a user is required to guess an unknown number between 1 and 100. Each time the user guesses the program informs them if their guess in too high, too low or correct. The guessing Your guess is too high. Try again. 52 game only finishes when the user's guess matches the unknown number. An example of the program running (input and output) is shown below. Correct! Well Done.