

While Loops



Look at this code:

```
total = int(input("Enter a number: "))
while total <= 50:
    num = int(input("Enter another number: "))
    total = total + num
    print(total)
print("Goodbye")
```

Complete these programming challenges in Python. Remember to save each of them with a sensible name:

Challenge 1

Ask the user to input a number. If that number is more than 10 display the message "Too high" and ask them to try again and input another number. Keep repeating this loop until they enter a number which is less than or equal to 10.

Challenge 2

Ask the user to input a number and then ask if they want to double the number. If they answer "y" multiply the number by 2 and display the answer. Keep repeating this loop, doubling their number each time, until they no longer reply "y".

Challenge 3

Ask the use if they want a cup of tea. If they replay with "no" or "n" repeat the question. Once the loop stops display the message "Sorry, we have run out of tea".

