

Flow control, conditional structures, iterators

#python

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Proposed: Guess the number

The program will ask the user for his name, and then tell him something like:

“Okay, X, I’ve thought of a number between 1 and 100, and you only have eight attempts to guess what you think the number is.”

So, on each attempt the player will say a number and the program can answer four different things:

- If the number the user said is less than 1 or greater than 100, it will tell him that he has chosen a number that is not allowed.
- If the number the user has chosen is less than the one the program has thought of, it will tell the user that his answer is incorrect and that he has chosen a number less than the secret number.
- If the user chose a number higher than the secret number, it will also be let you know in the same way.
- And if the user guessed the secret number correctly, he will be informed that he has won and how many attempts it took.

If the user has not guessed correctly on this first attempt, he will be asked to choose another number again.

And so on until he wins or until all eight attempts are exhausted.