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## README

### 1. What your program does:

This script generates a one-time password (OTP) based on user input for the OTP length. The generated OTP is displayed, saved to a file, and checked for validity. Multiple OTPs are generated in a loop, and the generated OTPs are stored in a list.

### 2. How to use the OTP program:

**Run the Code:** Open a terminal or command prompt, go to the directory where the file is saved, and run the code.

**Enter OTP Length:** The script will prompt you to enter the length of the OTP. Input an integer value for your desired OTP length and press enter.

**Generated OTP:** The script will display the OTP based on the specified length.

**Save OTP to a File:** The generated OTP will be saved to a file named “**otp.txt**” in a directory named data. Make sure that the data directory and script exist in the same location.

**Check OTP Validity:** The script will attempt to check the validity of the OTP by converting it to an integer. It will show whether the OTP is valid (has only numeric characters) or if there is an error.

**Generate Multiple OTPs and store in a List:** The script will then create and display multiple OTPs in a loop. The number of OTPs generated can be adjusted by modifying the “**num\_otps**” variable in the script. Store OTPs in a List: The script will store the generated OTPs in a list named “**otp\_list**” and display the list.