

Student Name: _____

PWord Hack

We are the PWord Hacker Group and we need a program that will determine the password for the target system. What we know about the target system:

- The login name is the day of the week (in text form) followed by the month (as a number) and the year (as a four digit number) – for example if the current date was the Saturday 7th January 2017 the login name would be 'Saturday12017'.
- The password is a word from the English dictionary.
- The security system has passwords which adhere to the following rules:
 - On Monday, Tuesday & Wednesday's the password will be 8 characters in length
 - On Thursday & Friday the password will be 9 characters in length
 - On Saturday & Sunday the password will be 10 characters in length
- We believe passwords start with a capital letter
- We know passwords end with a non-alphanumeric character which will be one of the following characters:
 - !, @, £, \$, %, &, * or #
- We know passwords have the penultimate character is a single digit number

Your program should on any given day it is executed/run display the login name for that particular day.

It should then try and calculate the possible number of different passwords which could exist based on the given dictionary. We have obtained a list of likely words.

Your program should then generate each possible password and store it in a suitable way ready to be tested against the target system.

Your username & generated passwords will then be used against the target systems security file and example of how to 'call' the target systems security file will be given later.

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Planning: Use the 3 steps to extract the program requirements from the problem specification:

Step 1 - Identify Key Information

Step 2 - Identify Repetition (possibly remove it)

Step 3 - Identify Program Requirements