## Documentation

**CreateHabit** Class

Attributes:

* name (str):
  + the name of the habit
* frequency (str):
  + the frequency of the habit ("daily", "weekly")
* periodicity (str):
  + how long the habit lasts ("20 days", "10 weeks", "2 months")
* unitset (str):
  + the unit set of the habit ("20 minutes", "10 pages")
* start\_date (str):
  + the start date of the habit (DD/MM/YYYY)
* end\_date (str):
  + the end date of the habit (DD/MM/YYYY)
* check\_off (int):
  + how many times the habit has been completed
* last\_updated\_day (str):
  + last time when the habit completed (DD/MM/YYYY)
* streak\_days (int):
  + counts the number of streak days

Methods:

* end\_date(self, periodicity, date)
  + Calculates when the habit should end

**:param** periodicity (str)

**:param** date (str)

Parameters are automatically assigned to the function and the function cannot be called directly.

* add\_habit(self, db\_file)
  + Adds a new habit and stores it in the database

**:param** db\_file

**ManageHabit** Class

Methods:

* edit(self, name, thing, value, db\_file)
  + Changes the name and frequency of the specified habit.

**:param** thing (str)

**:param** value (str)

**:param** db\_file

* report\_all(self, db\_file)
  + Shows all habits in a pretty table

**:param** db\_file

* report\_one(self, name, db\_file):
  + Shows a specified habit in a pretty table

**:param** name (str)

**:param** db\_file

* report\_by\_frequency(self, frequency, db\_file):
  + Shows specified habits in a pretty table based on their frequency (daily or weekly)

**:param** frequency (str)

**:param** db\_file

* check(self, name, db\_file):
  + The user can mark the habit when it is completed.

**:param** name(str)

**:param** db\_file

* streak\_days(self, name, frequency, db\_file):
  + Counts a streak days

**:param** name(str)

**:param** frequency (str)

**:param** db\_file

**PredefinedHabits** Class

Method:

* report\_all\_ph(self, db\_file)
  + Shows all predefined habits in a pretty table

**:param** db\_file

**DeleteHabit** Class

Attribute:

* habit\_name (str):
  + the name of the habit that needs to be deleted

Methods:

* delete\_habit\_manually(self, db\_file)
  + This function allows a user to delete a habit manually.

**:param** db\_file

* delete(self, db\_file)
  + This function deletes a habit automatically after the duration expires.

**:param** db\_file