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**Electric Coffee Maker Pseudocode**

Turn ON Coffee maker

function setTime();

User presses ON button twice to adjust hour(s) and minute(s)

GET time from user

SET hour

SET minute

User presses ON once desired hour and minutes are SET

DISPLAY current hour and minute(s) on screen

function preSetTime();

User to press ON once more to SET hour and minutes

DISPLAY current pre-set hour and minute(s) on screen

GET pre-set brewing time from user

Press ON button twice to adjust hour and minute

SET hour

SET minute

User presses ON once desired hour and minutes are SET

DISPLAY current hour and minute(s) on screen

function generalOperation;

User presses OFF button

Coffee machine shuts down and displays time

User presses ON button

Water is boiled

Coffee manchine brews coffee

User presses PROGRAM button

Coffee machine goes into sleep mode until pre-set time is reached, then turns ON and makes coffee.

function waterLevel();

IF water level is empty

Coffee Machine stops brewing

Else

Coffee Machine brews coffee

function heatingSensor ();

IF button is set to “ON” OR “Program”

Keep coffee at fixed temperature