```
number = 0; // number to be guessed
                                                          x = 0; // current number
                                                  found = false; // init the state of found
                                         stopped = false; // init state of the program (not stopped)
                    number_of_tries = 0; // init a variable for counting the number of tries taken till the guess is made.
                                                     Output "Guess-The-Number (v0.1.0)"
                                                number = (rand() % 1000) + 1; //set the number
                                                           While !found && !stopped
                                         Output "Enter a number between 1 and 1000 (Enter 0 to quit):"
                                              Input x // the current guessed number from the user
                                                                    x == \Theta?
         True
                                                                                                                                  False
                                                                                                                x < number?
                   stopped = true
                                                                                                                                                 False
                                                                                     True
                                                                                                                                       x > number?
                                                                              Output "Your guess is too small!"
                                                                                                                                                         False
                                                                                                                           True
                                                                                                                      Output "Your guess is
                                                                                                                                                 found = true;
                                                                                                                           too large!"
                                              number_of_tries++; // increment the number of tries
                                                                   found?
                                                                                                                                  False
      True
                                                                                   Output "Uh-oh! You didn\'t guess the number. Better luck next time."
Output "Congratulations! You guessed the number."
      Output "The number is:\t" << number
 Output "Number of tries:\t" << number_of_tries
```