C Problem for Homework 3 Sam Jentsch

```
int secToHours(int timeInSeconds, int *hours, int *minutes, int *seconds) {
//-----//
//Pass a time represented in seconds and three integers to take on
//the value of the time in hours, minutes, and seconds.
//Precondition: Time passed as second. Three ints passed to take on
//value of hours, minutes, seconds (pointers).
//Postcondition: 0 is returned if the method succeeded, 1 is returned
//if the method failed (time > 24 hours). The 3 int pointers passed
//(hours, minutes, seconds) are set to the values of the time in
//seconds passed.
//-----//
int cHours = 0;
int cMinutes = 0;
if (timeInSeconds > 86400 II timeInSeconds < 0) {
  //The time is greater than 24 hours or negative. Error.
  return 0;
}
if (timeInSeconds >= 3600) {
  cHours = (timeInSeconds / 3600);
  timeInSeconds = timeInSeconds % 3600;
  *hours = cHours;
} else {
  cHours = 0;
  *hours = cHours:
}
if (timeInSeconds >= 60) {
  cMinutes = timeInSeconds / 60;
  timeInSeconds = timeInSeconds % 60;
  *minutes = cMinutes;
} else {
  cMinutes = 0;
  *minutes = cMinutes;
}
if (timeInSeconds > 0) {
  *seconds = timeInSeconds;
} else {
  *seconds = 0;
//Success
return 1;
```