Jamie Lopez

CSC3320

Lab 10 – In Lab

Due 3/26/21

splitTime.c - output

```
[jrogers75@gsuad.gsu.edu@snowball lab10]$ ./split
Enter seconds: 2345
Converted format: 0 hour 39 mins 5 secs
[jrogers75@gsuad.gsu.edu@snowball lab10]$ ./split
Enter seconds: 3601
Converted format: 1 hour 0 mins 1 secs
[jrogers75@gsuad.gsu.edu@snowball lab10]$ ./split
Enter seconds: 14528
Converted format: 4 hour 2 mins 8 secs
[jrogers75@gsuad.gsu.edu@snowball lab10]$
```

splitTime.c – code

```
#include<stdio.h>
/* Jamie Lopez
 * CSC3320
 * Lab 10 - In Lab
 * Due 3.26.2021   */
// Write the declaration of function split_time
void split_time(long, int*, int*, int*);

int main(){
    int n, hr, min, sec;
    printf("Enter seconds: ");
    scanf("%d", &n);
   /* Write the statement to call split_time */
    split_time(n, &hr, &min, &sec);//call split_time and use & for pointers
    printf("Converted format: %d hour %d mins %d secs\n", hr, min, sec);
    return 0;
}
void split_time(long total_sec, int *hr, int *min, int *sec){
/* Write the statements to calculate hr, min, sec   */
    int remainder = 0;
    *hr = total_sec / 3600; //(60 seconds)*(60 mins)=3600 seconds/hr
    remainder = total_sec % 3600;// Determine # of seconds left after hours
                                 // are calculated
    *min = remainder / 60; // 60 seconds/min; Use remaining # of seconds to
                           // determine # of minutes left
    *sec = remainder % 60; // remaining seconds after hrs/mins determined

}
```