CODE AND IMPLEMENTATION OF THE STOPWATCH

```c
#include  <stdio.h>

#include <stdlib.h>

#include <conio.h>

#include <time.h>


int hour=0,minute=0,second=0,flag=0;


void delay(ms)

{

   clock_t timeDelay = ms + clock();

   while (timeDelay > clock());

}

int counter(){

   while(!kbhit() && flag ==0){

       if(minute > 59){        //after minute is greater than 59, reset minute and increase 1 hour

          minute = 0;++hour;

       }

         if(second > 59){      //after second is greater than 59, reset second and increase 1 minute

           second = 0;++minute;

           }

            printData();       //print out the new data, delay for 1000 millisecond and increase 1
second.

           delay(1000);second += 1;

      }

      selection();

}
```

```c
int printData(){

system("cls");

printf("1.Start 2.Stop 3.Reset 4. End\n");

printf("*********************************\n");

printf("        %d:%d:%d\n",hour,minute,second);

printf("*********************************\n");

}


int selection(){

   switch(getch()){

   case 49: flag =0; break;

   case 50: flag =1; break;

   case 51:

      hour = minute = second = 0;flag = 1;

      printData();

      break;

   case 52: exit(0);;break;

   }

}
int main()

{

   while(1){

   counter();

   }

}
```

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