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#include<stdio.h>
#include<stdlib.h>
#include<unistd.h>
#include<time.h>

int input_format();
void fill_time(char*, int);
void fill_date(char*);
void clear_screen();
int rNumber(int);

int main(){

    char time[100], date[100];
    int format= input_format();

    while(1){
        fill_time(time , format);
        fill_date(date);
        int random= rNumber(random);
        clear_screen();
        printf("\nCurrent Time : %s\n",time);
        printf("Current date : %s\n\n",date);
        printf("Random number is= %d\n\n",random);
        sleep(1);
    }

    return 0;
}
int input_format(){
    int format;
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        printf("\nEnter the time format:");
        printf("\n1. 24 Hours time format.");
        printf("\n2. 12 Hours time format(Default).");
        printf("\nMake a choice of format:");
        scanf("%d",&format);
        return format;
}
void fill_time(char* buffer, int format){
    time_t raw_time;
    struct tm * current_time;

    time(&raw_time);
    current_time= localtime(&raw_time);
    if(format== 1){
        strftime(buffer,50, "%H:%M:%S",
current_time);
    }else{
        strftime(buffer,50, "%I:%M:%S %p",
current_time);
    }
}
void fill_date(char* buffer){
    time_t raw_time;
    struct tm * current_time;

    time(&raw_time);
    current_time= localtime(&raw_time);
    strftime(buffer,100, "%A %d %B %Y",
current_time);
}
void clear_screen(){
    #ifdef _WIN32
        system("cls");
    #else

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        system("clear");
    #endif
}
int rNumber(int random){

    srand(time(NULL)) ;
    random= rand()%100+1;
    return random;
}
```