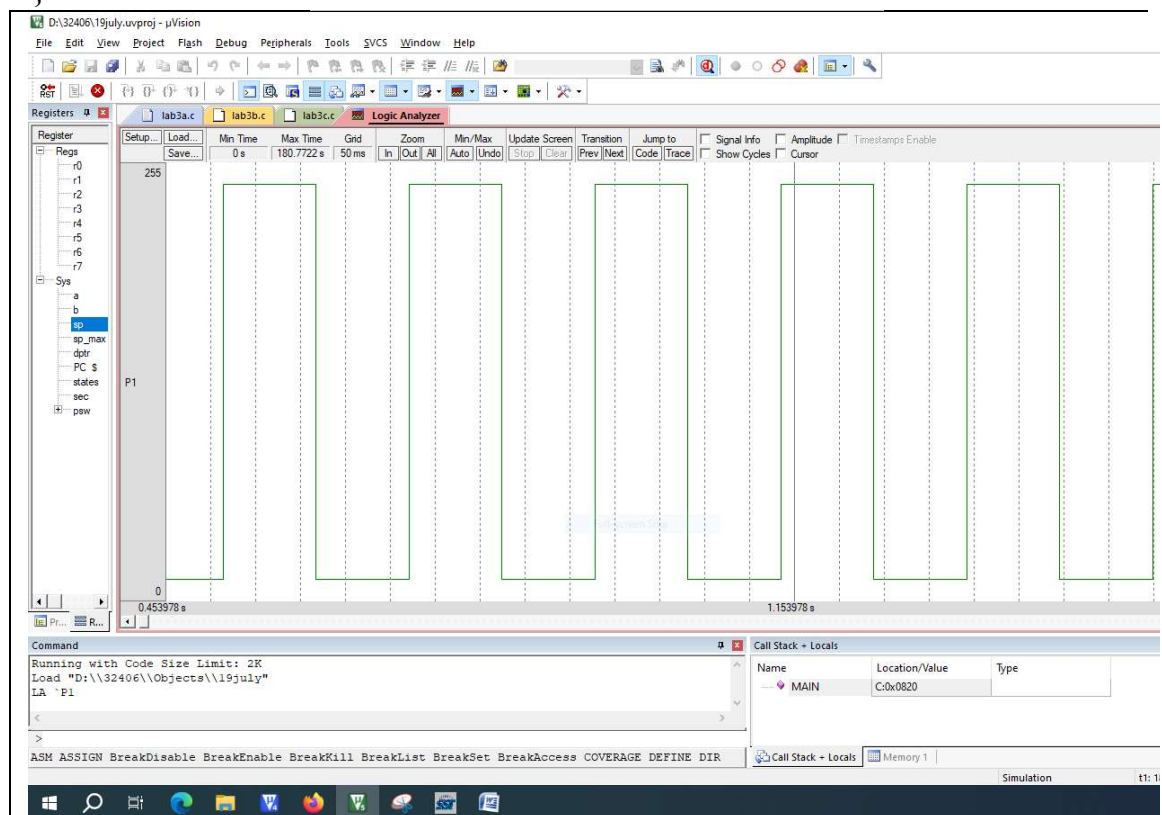


Title: Interfacing DAC with 89C51

1. Square Wave

```
#include <reg51.h>
void msdelay(unsigned int);
void main (void){
    while(1){
        P1 = 0x00;
        msdelay(50);
        P1=0xFF;
        msdelay(50);
    }
}

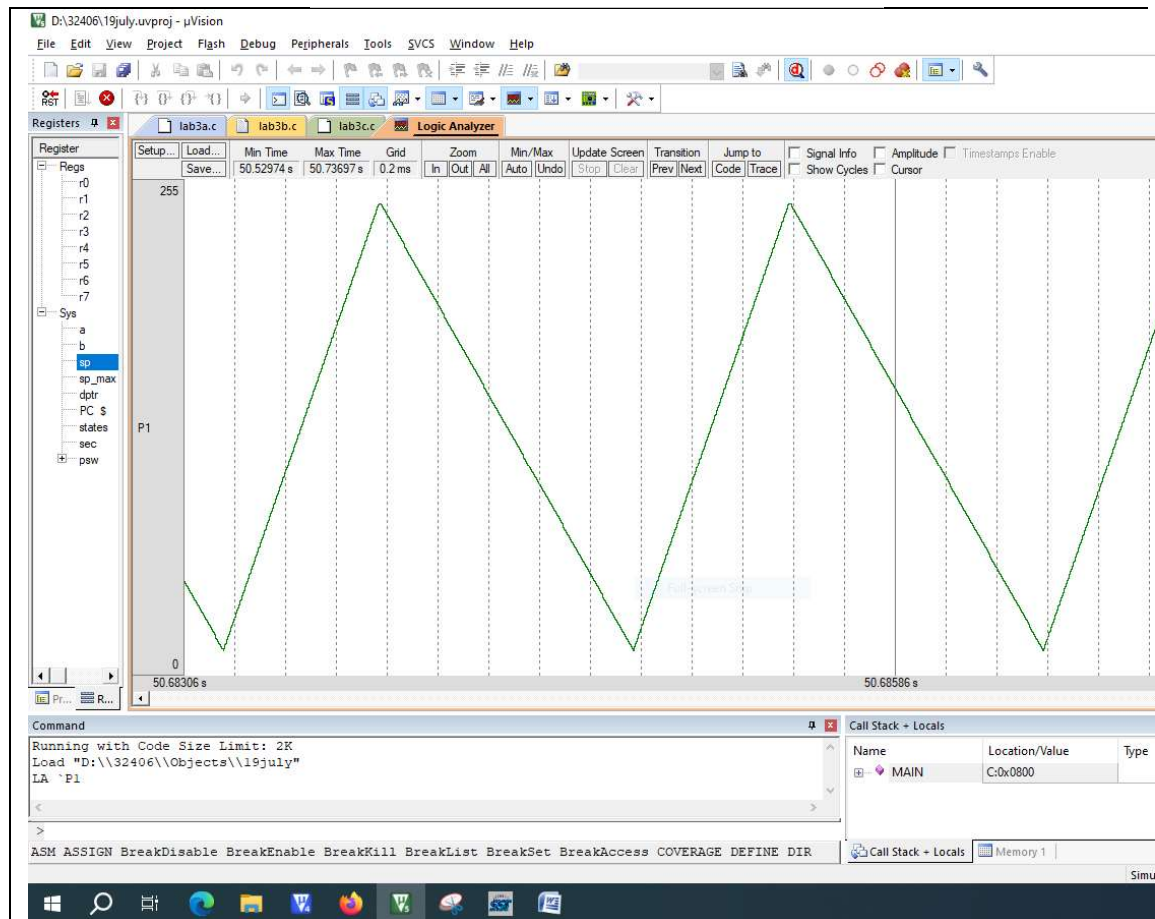
void msdelay(unsigned int itime){
    unsigned int i,j;
    for(i=0;i<itime;i++){
        for(j=0;j<1275;j++){
        }
    }
}
```



2. Triangular Wave

```
#include <reg51.h>
```

```
void main (void){  
    unsigned int k,l;  
    while(1){  
        for(k=0;k<=255;k++){  
            P1=k;  
        }  
        for(l=255;l>0;l--){  
            P1=l;  
        }  
    }  
}
```



3. Sine Wave

```
#include <reg51.h>
```

```
void main (void){  
    unsigned char sinvalue[12] =  
    {128,192,238,255,238,192,128,64,17,0,17,64};
```

```
    unsigned char i;  
    while(1){  
        for(i=0;i<12;i++){  
            P1=sinvalue[i];  
        }  
    }  
}
```

