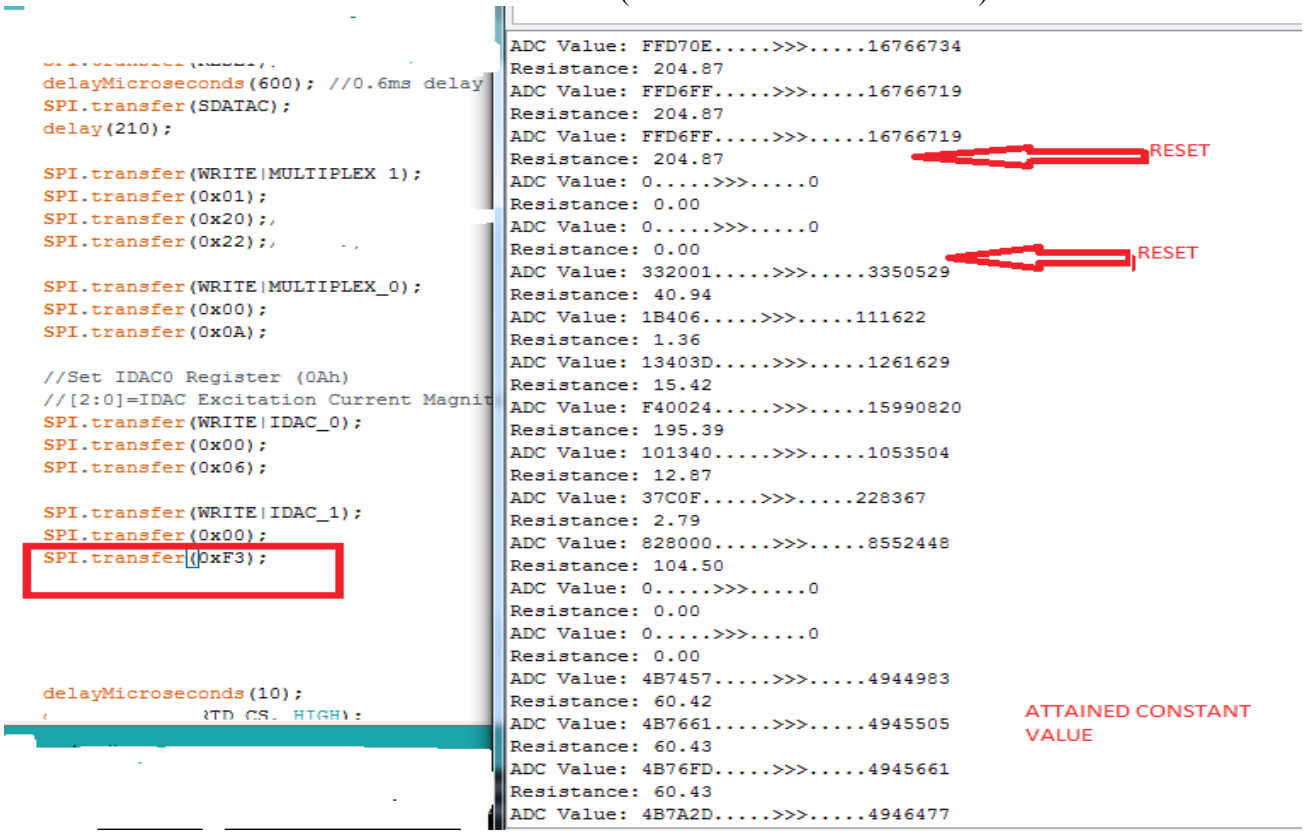
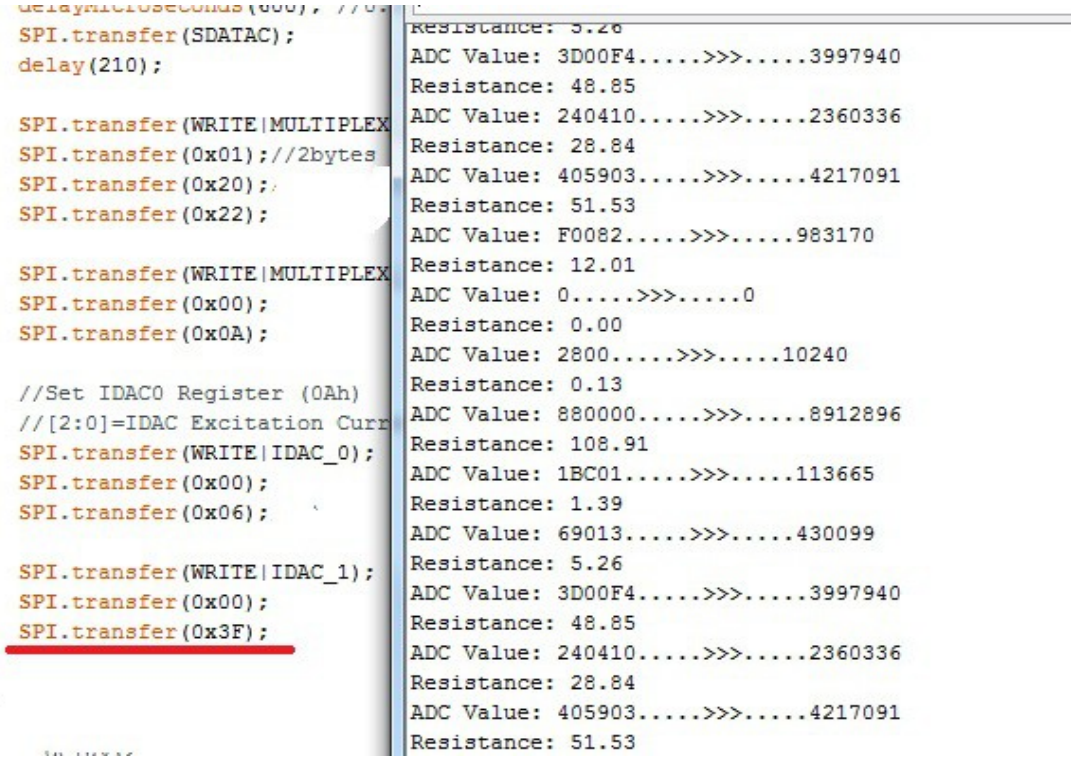
WHEN BOTH ain0& ain3 CONFIGURED AS IDAC0&IDAC1 RESPECTIVELY:

WHEN ONLY AIN3 CONFIGURED AS IDAC1(SECOND IDAC SOURCE):-



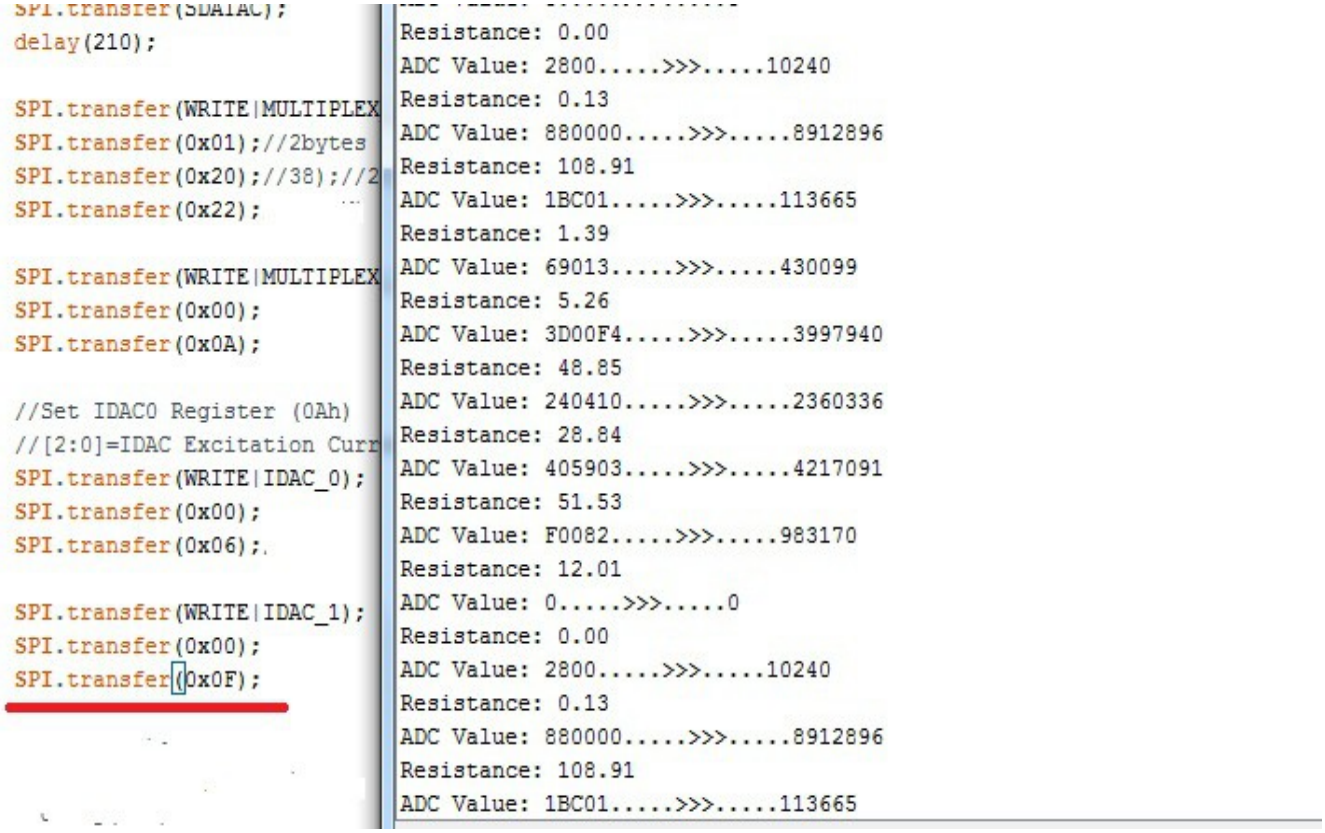
WHEN ONLY AIN3 CONFIGURED AS IDAC0(FIRST IDAC SOURCE):-



```
SPI.transfer(SDATAC);
delay(210);

SPI.transfer(WRITE|MULTIPLEX
SPI.transfer(0x01);//2bytes
SPI.transfer(0x20);
SPI.transfer(0x22);

SPI.transfer(WRITE|MULTIPLEX
SPI.transfer(0x00);
SPI.transfer(0x0A);

//Set IDAC0 Register (0Ah)
//[2:0]=IDAC Excitation Curr
SPI.transfer(WRITE|IDAC_0);
SPI.transfer(0x00);
SPI.transfer(0x06);

SPI.transfer(WRITE|IDAC_1);
SPI.transfer(0x00);
SPI.transfer(0x3F);
```

```
Resistance: 5.26
ADC Value: 3D00F4.....>>>.....3997940
Resistance: 48.85
ADC Value: 240410.....>>>.....2360336
Resistance: 28.84
ADC Value: 405903.....>>>.....4217091
Resistance: 51.53
ADC Value: F0082.....>>>.....983170
Resistance: 12.01
ADC Value: 0.....>>>.....0
Resistance: 0.00
ADC Value: 2800.....>>>.....10240
Resistance: 0.13
ADC Value: 880000.....>>>.....8912896
Resistance: 108.91
ADC Value: 1BC01.....>>>.....113665
Resistance: 1.39
ADC Value: 69013.....>>>.....430099
Resistance: 5.26
ADC Value: 3D00F4.....>>>.....3997940
Resistance: 48.85
ADC Value: 240410.....>>>.....2360336
Resistance: 28.84
ADC Value: 405903.....>>>.....4217091
Resistance: 51.53
```

WHEN ONLY AIN0 CONFIGURED AS IDAC0(FIRST IDAC SOURCE):-



```
delay(210);

SPI.transfer(WRITE|MULTIPLEX
SPI.transfer(0x01);//2bytes
SPI.transfer(0x20);//38);//2
SPI.transfer(0x22);

SPI.transfer(WRITE|MULTIPLEX
SPI.transfer(0x00);
SPI.transfer(0x0A);

//Set IDAC0 Register (0Ah)
//[2:0]=IDAC Excitation Curr
SPI.transfer(WRITE|IDAC_0);
SPI.transfer(0x00);
SPI.transfer(0x06);

SPI.transfer(WRITE|IDAC_1);
SPI.transfer(0x00);
SPI.transfer(0x0F);
```

```
Resistance: 0.00
ADC Value: 2800.....>>>.....10240
Resistance: 0.13
ADC Value: 880000.....>>>.....8912896
Resistance: 108.91
ADC Value: 1BC01.....>>>.....113665
Resistance: 1.39
ADC Value: 69013.....>>>.....430099
Resistance: 5.26
ADC Value: 3D00F4.....>>>.....3997940
Resistance: 48.85
ADC Value: 240410.....>>>.....2360336
Resistance: 28.84
ADC Value: 405903.....>>>.....4217091
Resistance: 51.53
ADC Value: F0082.....>>>.....983170
Resistance: 12.01
ADC Value: 0.....>>>.....0
Resistance: 0.00
ADC Value: 2800.....>>>.....10240
Resistance: 0.13
ADC Value: 880000.....>>>.....8912896
Resistance: 108.91
ADC Value: 1BC01.....>>>.....113665
```

WHEN ONLY AIN0 CONFIGURED AS IDAC1(SECOND IDAC SOURCE):-