

-----MULTIPLICATION-----

```
#include<pic18f458.h>
#include<xc.h>
#include<stdio.h>
```

```
void main()
{
    int x,y,ans,rem;
    x=8;
    y=2;

    int choice = 1;

    if(choice == 1)
    {
        ans = x*y;
    }
    else if(choice == 2)
    {
        ans = x/y;
        rem = x % y;
    }

    TRISB = 0x00;
    PORTB = ans;

    TRISC = 0x00;
    PORTC = rem;

}
```

SFRs x menuDriven.c

	Address	Name	Hex	Decimal	Binary	Char
	F80	PORTA	0x00	0	00000000	·
	F81	PORTB	0x10	16	00010000	·
	F82	PORTC	0x00	0	00000000	·
	F83	PORTD	0x00	0	00000000	·
	F84	PORTE	0x00	0	00000000	·
	F89	LATA	0x00	0	00000000	·
	F8A	LATB	0x10	16	00010000	·
	F8B	LATC	0x00	0	00000000	·
	F8C	LATD	0x00	0	00000000	·
	F8D	LATE	0x00	0	00000000	·
	F92	TRISA	0x7F	127	01111111	'y'
	F93	TRISB	0x00	0	00000000	·
	F94	TRISC	0x00	0	00000000	·
	F95	TRISD	0xFF	255	11111111	'y'
	F96	TRISE	0x07	7	00000111	·
	F9D	PIE1	0x00	0	00000000	·

Mem... SFRs Form... Individual

-----DIVISION-----

```
#include<pic18f458.h>
#include<xc.h>
#include<stdio.h>
```

```
void main()
{
    int x,y,ans,rem;
    x=8;
    y=2;

    int choice = 2;

    if(choice == 1)
    {
        ans = x*y;
    }
    else if(choice == 2)
    {
        ans = x/y;
        rem = x % y;
    }

    TRISB = 0x00;
    PORTB = ans;

    TRISC = 0x00;
    PORTC = rem;

}
```

SFRs x menuDriven.c						
	Address	Name	Hex	Decimal	Binary	Char
	F80	PORTA	0x00	0	00000000	':'
	F81	PORTB	0x04	4	00000100	':'
	F82	PORTC	0x00	0	00000000	':'
	F83	PORTD	0x00	0	00000000	':'
	F84	PORTE	0x00	0	00000000	':'
	F89	LATA	0x00	0	00000000	':'
	F8A	LATB	0x04	4	00000100	':'
	F8B	LATC	0x00	0	00000000	':'
	F8C	LATD	0x00	0	00000000	':'
	F8D	LATE	0x00	0	00000000	':'
	F92	TRISA	0x7F	127	01111111	'ï'
	F93	TRISB	0x00	0	00000000	':'
	F94	TRISC	0x00	0	00000000	':'
	F95	TRISD	0xFF	255	11111111	'ÿ'
	F96	TRISE	0x07	7	00000111	':'

-----ANY OTHER-----

```
#include<pic18f458.h>
#include<xc.h>
#include<stdio.h>
```

```
void main()
{
    int x,y,ans,rem;
    x=8;
    y=2;

    int choice = 7;

    if(choice == 1)
    {
        ans = x*y;
    }
    else if(choice == 2)
    {
        ans = x/y;
        rem = x % y;
    }

    TRISB = 0x00;
    PORTB = ans;

    TRISC = 0x00;
    PORTC = rem;

}
```

Address	Name	Hex	Decimal	Binary	Char
F80	PORTA	0x00	0	00000000	..
F81	PORTB	0x00	0	00000000	..
F82	PORTC	0x00	0	00000000	..
F83	PORTD	0x00	0	00000000	..
F84	PORTE	0x00	0	00000000	..
F89	LATA	0x00	0	00000000	..
F8A	LATB	0x00	0	00000000	..
F8B	LATC	0x00	0	00000000	..
F8C	LATD	0x00	0	00000000	..
F8D	LATE	0x00	0	00000000	..
F92	TRISA	0x7F	127	01111111	T
F93	TRISB	0x00	0	00000000	..
F94	TRISC	0x00	0	00000000	..
F95	TRISD	0xFF	255	11111111	y
F96	TRISE	0x07	7	00001111	..

Mem... SFRs Form... Individual