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Class :S.E IT –A

Assignment No:05

Aim: Write an Embedded C menu driven program for

- i. Multiply 8 bit number by 8 bit number
- ii. Divide 8 bit number by 8 bit number.

A – MULTIPLICATION

Program:

```
#include <xc.h>

#include<stdlib.h>

#include<pic18f4550.h>

void main(void)
{
    int x,y,mul;

    x=0x04;

    y=0x05;

    mul=0x00;

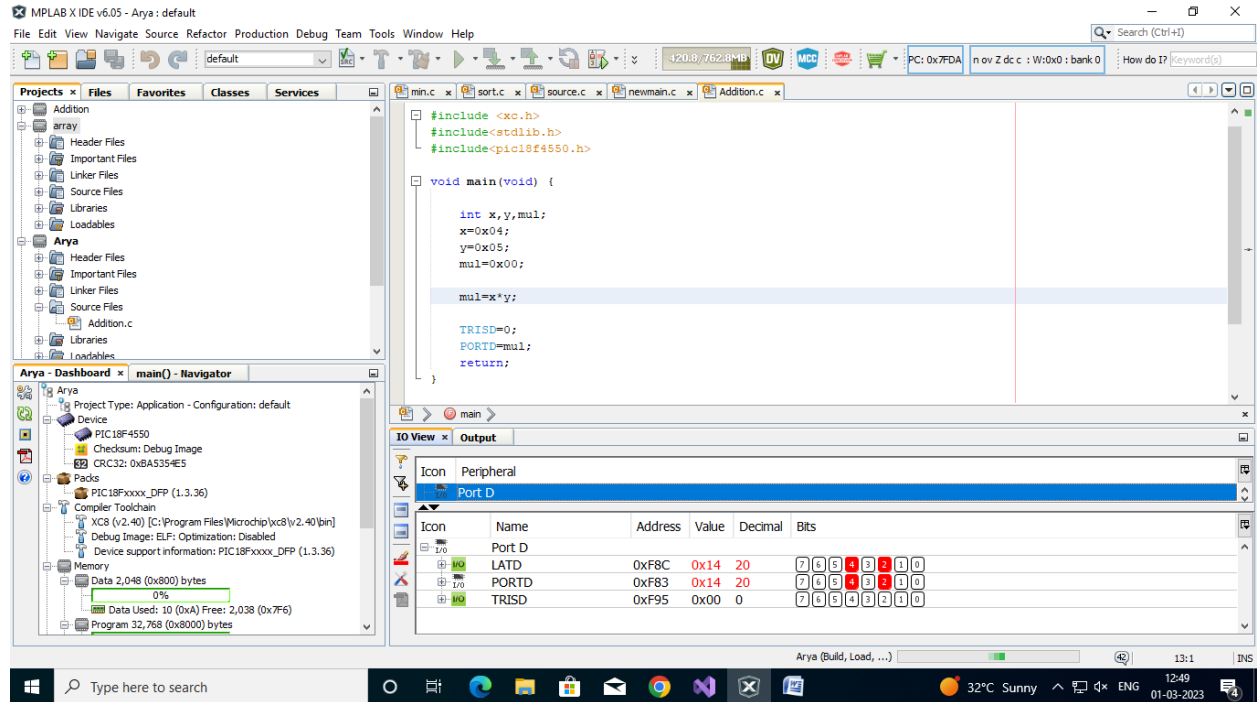
    mul=x*y;

    TRISD=0;

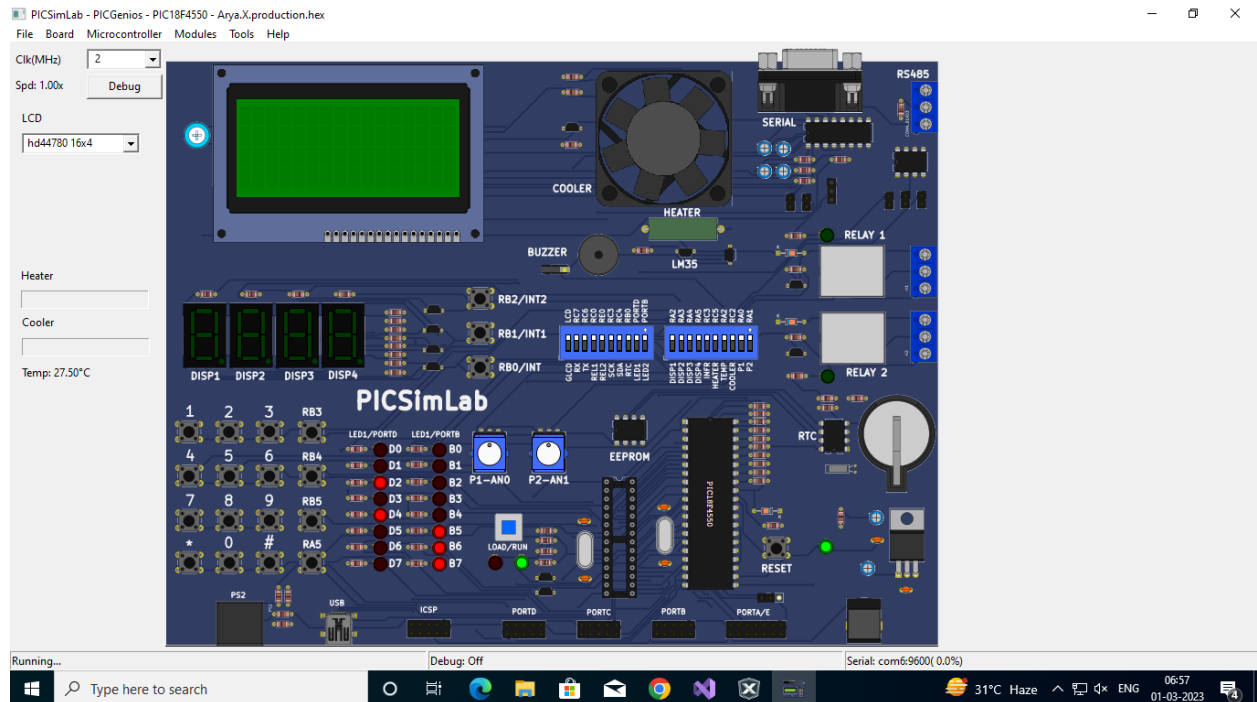
    PORTD=mul;

    return;
}
```

Output: In MPLAB IDE



In PICSIMLAB



B – DIVISION

Program:

```
#include <xc.h>
#include<stdio.h>
#include<PIC18F4550.h>
```

```
void main(void)
```

```
{
```

```
    int a,b,div;
```

```
    a = 0x0A;
```

```
    b = 0x05;
```

```
    div = 0x00;
```

```
    div = a / b;
```

```
    TRISD = 0;
```

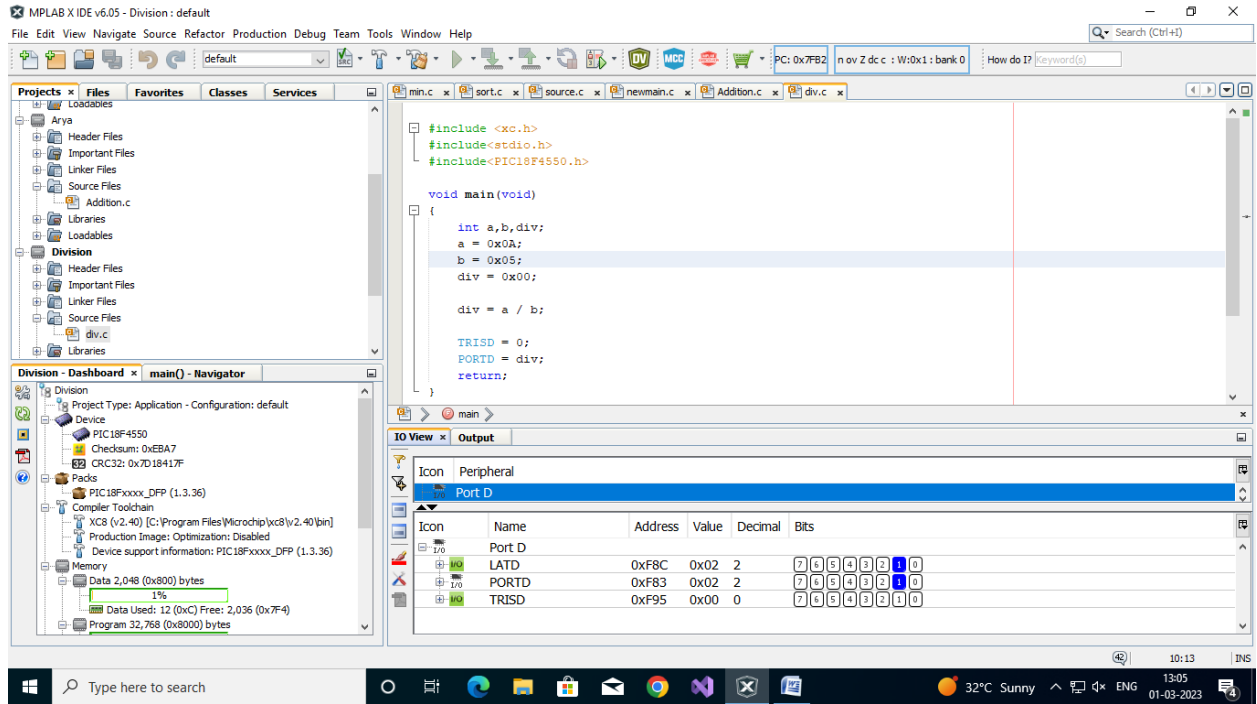
```
    PORTD = div;
```

```
    return;
```

```
}
```

Output:

In MPLAB IDE



In PICSIMLAB

