

Name : Saba Asif Attar.

Roll no: SIA77

Batch: D

Class: S.E IT-A

Assignment No: 02

Aim: Write an Embedded C program to add array of n numbers.

Program:

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

```
#include<stdlib.h>
```

```
#include<pic18f4550.h>
```

```
void main(void)
```

```
{
```

```
    int i,sum;
```

```
    int a[] = {0x01,0x02,0x03,0x01};
```

```
    sum = 0x00;
```

```
    for(i=0;i<4;i++)
```

```
    {
```

```
        sum = sum + a[i];
```

```
    }
```

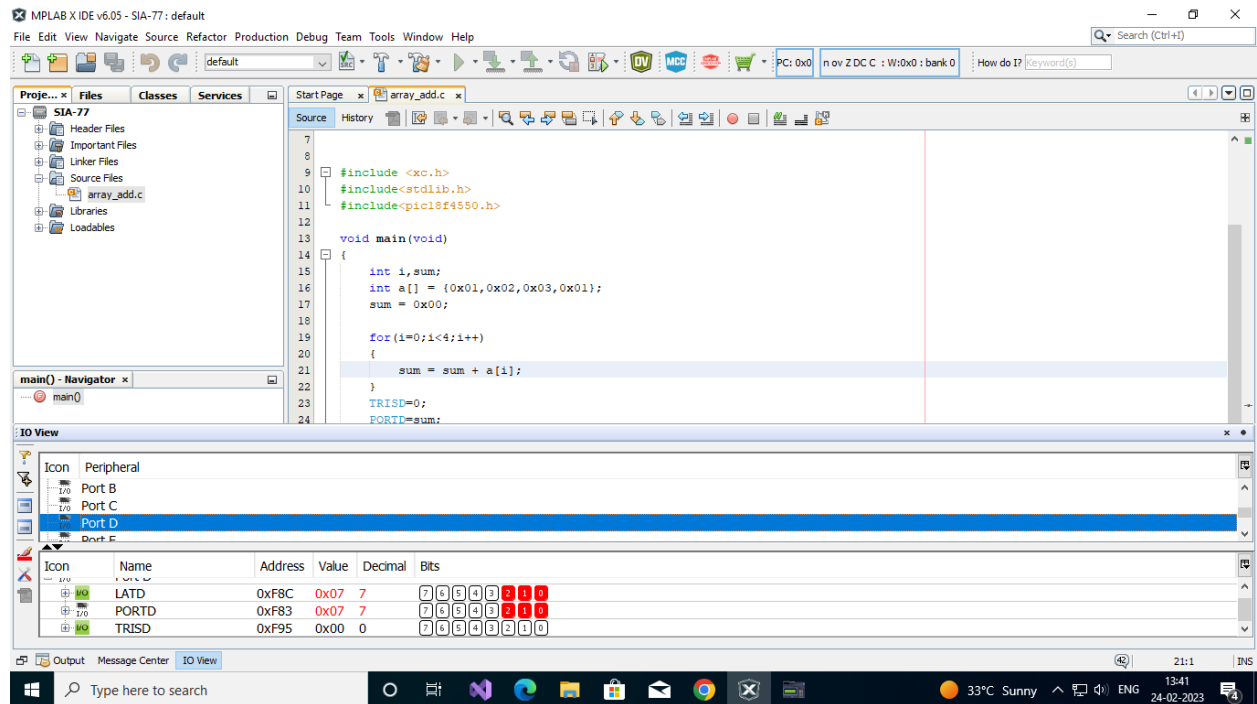
```
    TRISD=0;
```

```
    PORTD=sum;
```

```
    return;
```

```
}
```

Output: In MPLAB IDE



In PICSIMLAB

