

## Swapping 2 numbers using pointers

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

```
void swap(int *x,int *y)
```

```
{
```

```
    int t;
```

```
    t  = *x;
```

```
    *x  = *y;
```

```
    *y  = t;
```

```
}
```

```
int main()
```

```
{
```

```
    int num1,num2;
```

```
    printf("Enter value of num1: ");
```

```
    scanf("%d",&num1);
```

```
    printf("Enter value of num2: ");
```

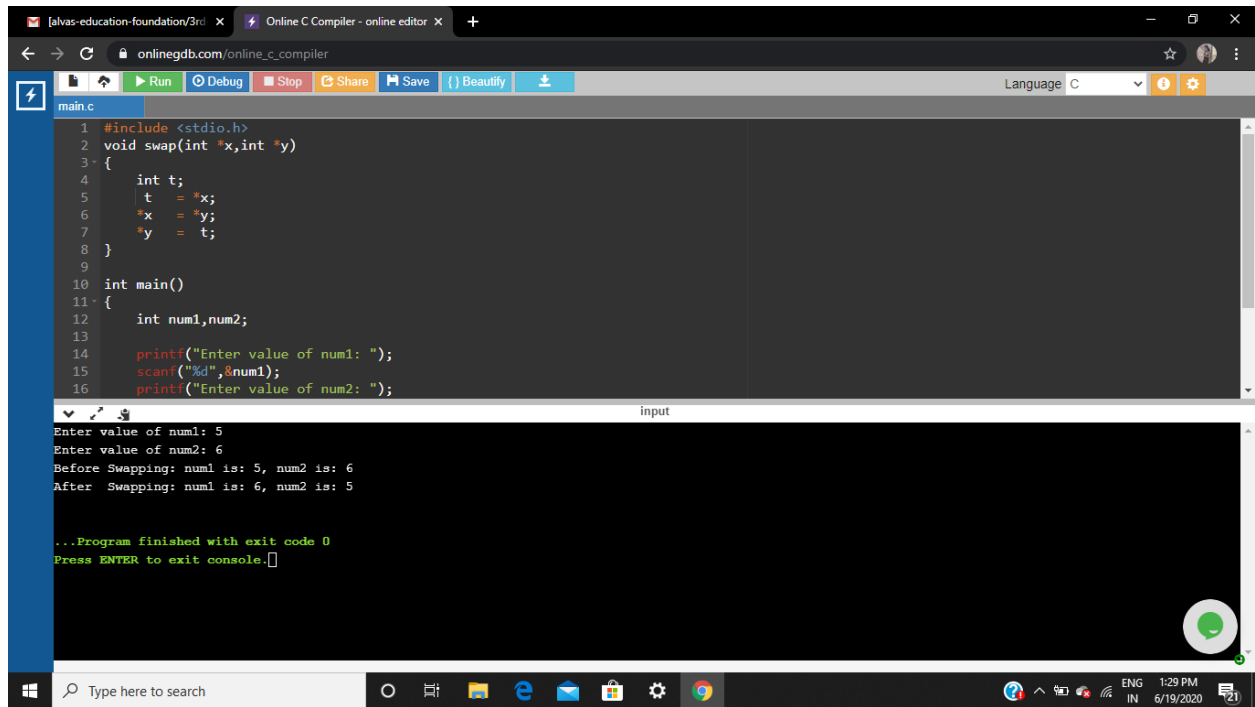
```
    scanf("%d",&num2);
```

```
    printf("Before Swapping: num1 is: %d, num2 is: %d\n",num1,num2);
```

```
    swap(&num1,&num2);
```

```
    printf("After Swapping: num1 is: %d, num2 is: %d\n",num1,num2);
```

```
return 0;  
  
}
```



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The browser tabs include `[alvas-education-foundation/3rd]` and `Online C Compiler - online editor`. The interface features a toolbar with buttons for `Run`, `Debug`, `Stop`, `Share`, `Save`, `Beautify`, and a download icon. The language is set to `C`. The code editor displays a C program for swapping two numbers:

```
main.c  
1 #include <stdio.h>  
2 void swap(int *x,int *y)  
3 {  
4     int t;  
5     t  = *x;  
6     *x  = *y;  
7     *y  = t;  
8 }  
9  
10 int main()  
11 {  
12     int num1,num2;  
13  
14     printf("Enter value of num1: ");  
15     scanf("%d",&num1);  
16     printf("Enter value of num2: ");
```

Below the code editor is an `input` section with a text area containing the following text:

```
Enter value of num1: 5  
Enter value of num2: 6  
Before Swapping: num1 is: 5, num2 is: 6  
After  Swapping: num1 is: 6, num2 is: 5  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```

The Windows taskbar at the bottom shows the search bar, task view, and various application icons. The system tray on the right indicates the language is `ENG IN`, the time is `1:29 PM`, and the date is `6/19/2020`.