

21/12/2023

① Swapping of Numbers Using Pointers

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

```
void swap (int *a, int *b)
```

```
{
```

```
    int temp = *a;
```

```
    *a = *b;
```

```
    *b = temp;
```

```
}
```

```
int main()
```

```
{
```

```
    int num1, num2;
```

```
    printf ("Enter first and second number: ");
```

```
    scanf ("%d %d", &num1, &num2);
```

```
    printf ("Before swapping:");
```

```
    printf ("%d\t%d\n", num1, num2);
```

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

```
    printf ("After swapping:");
```

```
    printf ("%d\t%d\n", num1, num2);
```

```
    return 0;
```

```
}
```

→ output

Enter the first and second number : 9 2

Before swapping : 9 2

After swapping : 2 9