

→ Pay By Reference:

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```
* VOID INCREMENT(IN? &n) {  
    n++;  
}
```

```
IN? MAIN() {  
    IN? A = 3;  
    COU? << A << ENDL; // 3  
    INCREMENT(A);  
    COU? << A << ENDL; // 4  
}
```

Here, we are using $\&n$ in increment function it means we are passing by reference (address) of n . It will act on the actual value of A in main of main function. If we simply give n

and leave that (~~to~~ symbol), it means we are passing n by value, it means it won't pass actual n , instead will create a copy of n there and in this case, we will get 3 and again 3 in output.

NOTE: By default, an array is passed using passed by reference.

→ Converting to uppercase or lowercase
(toupper() & tolower())

```
STRING s;
```

```
cin >> s; // "Hello"
```

```
for (int i = 0; i < s.size(); i++)  
{
```

```
    int c = s[i];
```

```
    s[i] = toupper(c);
```

```
    cout << s[i]; // "HELLO"
```

```
}
```