

C macros

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Contents

1 Token replacement

```
#define SWAP(a, b) do { a ^= b; b ^= a; a ^= b; } while ( 0 )  
int main(){}
```

The token replacement is not enough.

2 Pasting Tokens

```
#define BUILD_FIELD(field) my_struct.inner_struct.union_a.##field
```

3 String-izing Tokens

```
#define PRINT_TOKEN(token) printf(#token " is %d", token)
```