

### Regular variable

```
// variable definition

int count = 10;

// function definitions

void example( int i) {
    cout << i;
    i = 30;
}

int main() {
    example(count);
    cout << count;
    return 0;
}

// terminal output

10
10
```

### Reference

```
// variable definition

int count = 10;

// functions definition

void example( int& i) {
    cout << i;
    i = 30;
}

int main() {
    example(count);
    cout << count;
    return 0;
}

// terminal output

10
30
```

### Pointer

```
// variable definition

int count = 10;

// pointer definition

int* pCount = &count;

//functions definition

void example( int* i) {
    cout << *i;
    *i = 30;
}

int main() {
    example(pCount);
    cout << count;
    return 0;
}

// terminal output

10
30
```



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