

第一章

检验性的问题省略

1.1 节

略

1.2 节

1.3

```
1 std::cout<<"Hello, Wrold"<<std::endl;
```

1.4

```
1 std::cout<<2*2<<std::endl;
```

1.5

```
1 std::cout<<"The sum of";  
2 std::cout<<v2<<" and ";  
3 std::cout<<v2<<" is ";  
4 std::cout<<v1+v2<<std::endl;
```

1.6

```
1 不合法;  
2 std::cout<<"The sum of";之后的<<左侧没有ostream对象
```

1.3 节

1.7

1.8

- 1 对
- 2 对
- 3 错
- 4 错, <<右侧必须是对象或者字符串

1.4节

1.9

```
1 int count = 50;
2 int sum = 0;
3 while (count<=100) {
4     // std::cout<<count<<" ";
5     sum += count++;
6 }
7 std::cout<<sum<<std::endl;
```

1.10

```
1 int count_2 = 10;
2 while (count_2>=0) {
3     std::cout<<count_2--<<" ";
4 }
```

1.11

```
1 int num1, num2;
2 std::cout<<"Enter two nums:";
3 std::cin>>num1>>num2;
4 for ( int i = std::min(num1, num2); i <= std::max(num1,num2); ++i) {
5     // 偷懒, 不是好的写法
6     std::cout<<i<<" ";
7 }
```

1.12

- 1 计算从-100的100的所有值的总和;
- 2 sum最终等于0

1.13

略

1.14

- 1 for循环需要知道循环次数;
- 2 while循环可以不知道明确的循环次数;

1.15

略

1.16

```
1 int num;           // 假设是整数
2 int sum = 0;
3 while (std::cin>>num) {
4     sum += num;
5 }
6 std::cout<<sum<<std::endl;
```

1.17 - 1.18

```
1 1
2 1
3 1
4 ^D
5 1 occurs 3 times
6 -----
7 1
8 2
9 1 occurs 1 times
10 3
11 2 occurs 1 times
12 4
13 3 occurs 1 times
14 ^D
15 4 occurs 1 times
```

1.19

略 (已经是处理过的程序)

1.5 节

1.20

略

1.21 - 1.22

```
1 // 重载的+
2 Sales_item operator+(const Sales_item item1, const Sales_item item2)
3 {
4     Sales_item item_New;
5     if (item1.ISBN_ == item2.ISBN_) {
6         item_New.ISBN_ = item1.ISBN_;
7         item_New.num_ = item1.num_ + item2.num_;
8         item_New.sum_profit_ = item1.sum_profit_ + item2.sum_profit_;
9         item_New.price_ = item_New.sum_profit_/item_New.num_;
10    } else
11        std::cout<<"不是同一本书"<<std::endl;
12    return item_New;
13 }
```

1.23 - 1.24

```
1 // 和之前统计出现次数的思想一样
2 void Ex1_5_2() {
3     Sales_item item;
4     std::string temp;
5     if(std::cin>>item) {
6         temp = item.getIsbn();
7         int count = 1;
8         while (std::cin >> item) {
9             if (temp == item.getIsbn()) {
10                 ++count;
11             } else {
12                 std::cout << temp << " occur " << count << " times "
13                 << std::endl;
14                 count = 1;
15                 temp = item.getIsbn();
16             }
17         }
18         std::cout << temp << " occur " << count << " times " <<
19         std::endl;
20     }
21 }
```

略