

3.9.5 map查找和统计

功能描述:

- 对map容器进行查找数据以及统计数据

函数原型:

- `find(key);` //查找key是否存在,若存在,返回该键的元素的迭代器;若不存在,返回set.end();
- `count(key);` //统计key的元素个数

//map容器 查找和统计

```
void test01()
```

```
{
```

```
    //查找
```

```
    map<int, int>m;
```

```
    m.insert(pair<int, int>(1, 10));
```

```
    m.insert(pair<int, int>(2, 20));
```

```
    m.insert(pair<int, int>(3, 30));
```

```
    map<int, int>::iterator pos = m.find(3);
```

```
    if (pos != m.end())
```

```
    {
```

```
        cout << "查到了元素 key = " << (*pos).first << " value = " << pos->second << endl;
```

```
    }
```

```
    else
```

```
    {
```

```
        cout << "未找到元素" << endl;
```

```
    //统计
```

```
    //map不允许插入重复key 元素, count统计而言 结果要么是0 要么是1
```

```
    int num = m.count(3);
```

```
    cout << "num = " << num << endl;
```

```
}
```