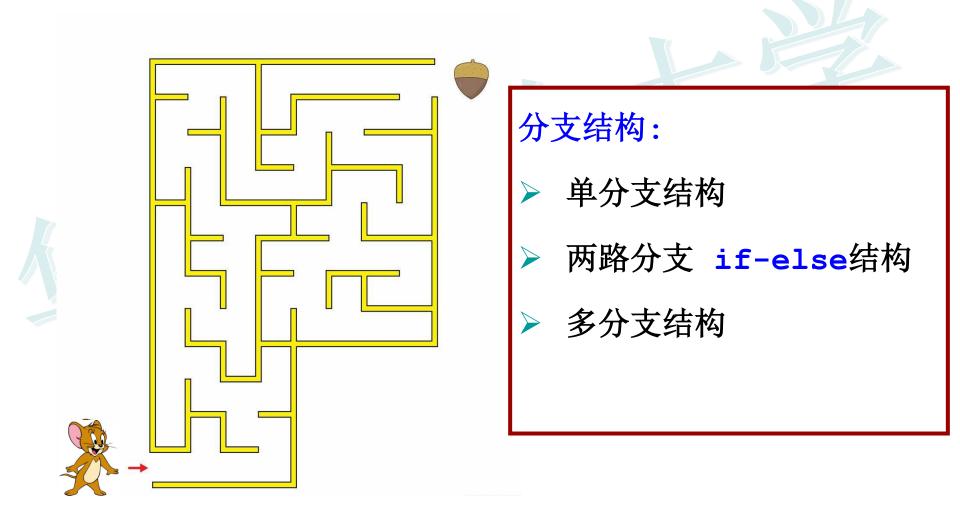
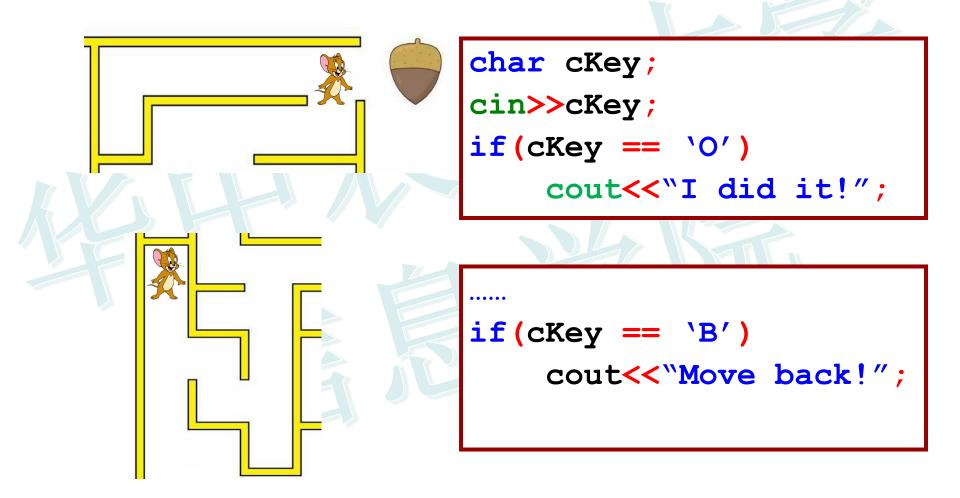
# C/C++程序设计案例实战 ——小老鼠走迷宫1

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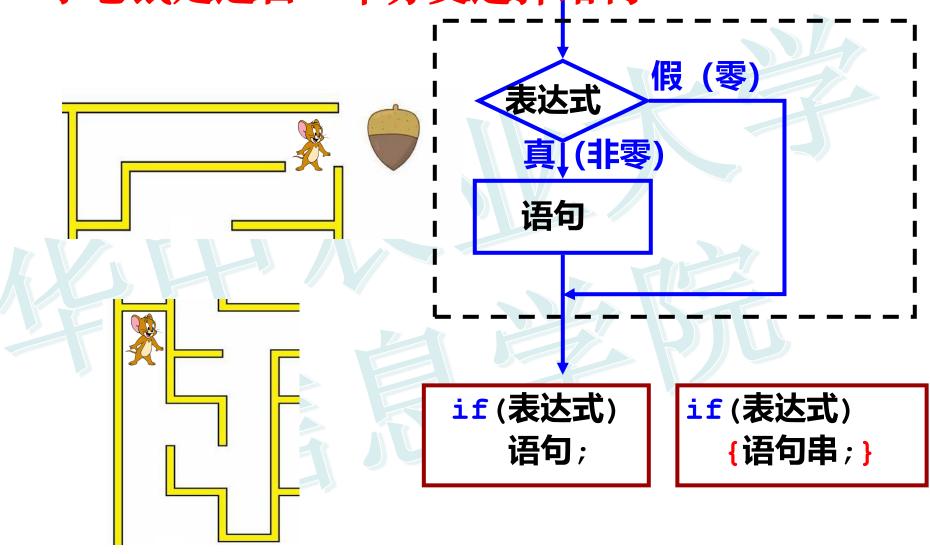
# 小老鼠走迷宫



# 小老鼠走迷宫: 单分支选择结构

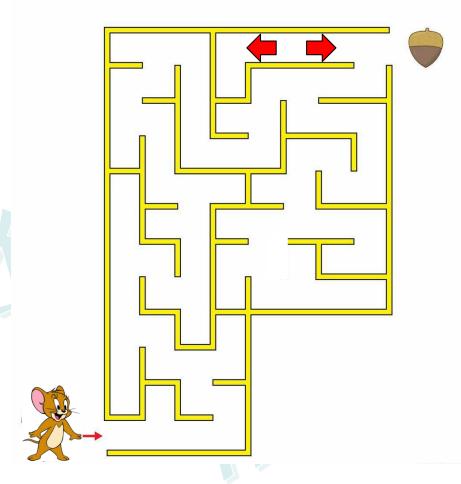


## 小老鼠走迷宫:单分支选择结构



• 表达式为false时不执行语句。表达式总会被执行。

#### 小老鼠走迷宫: if-else双分支选择结构



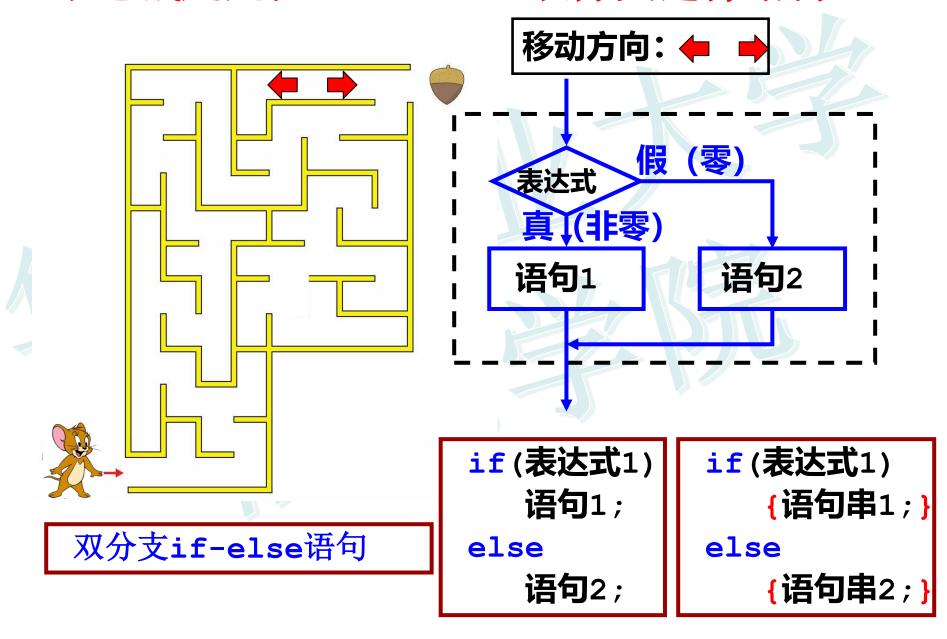
双分支if-else语句

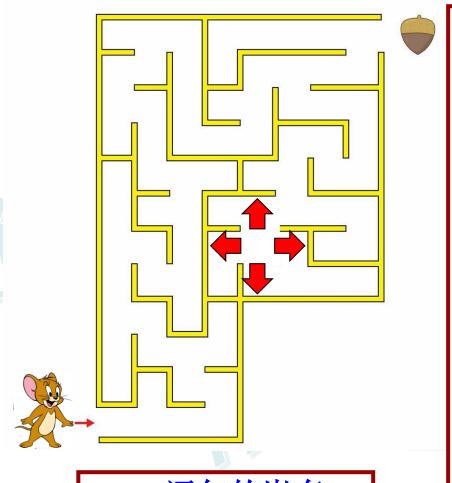
移动方向: 🛑 👈

```
char cKey;
cin>>cKey;
if(cKey == 'L')
        cout<<"Move Left";
else
        cout<<"Move Right";</pre>
```

```
char cKey;
cin>>cKey;
if(cKey == 'R')
        cout<<"Move Right";
else
        cout<<"Move Left";</pre>
```

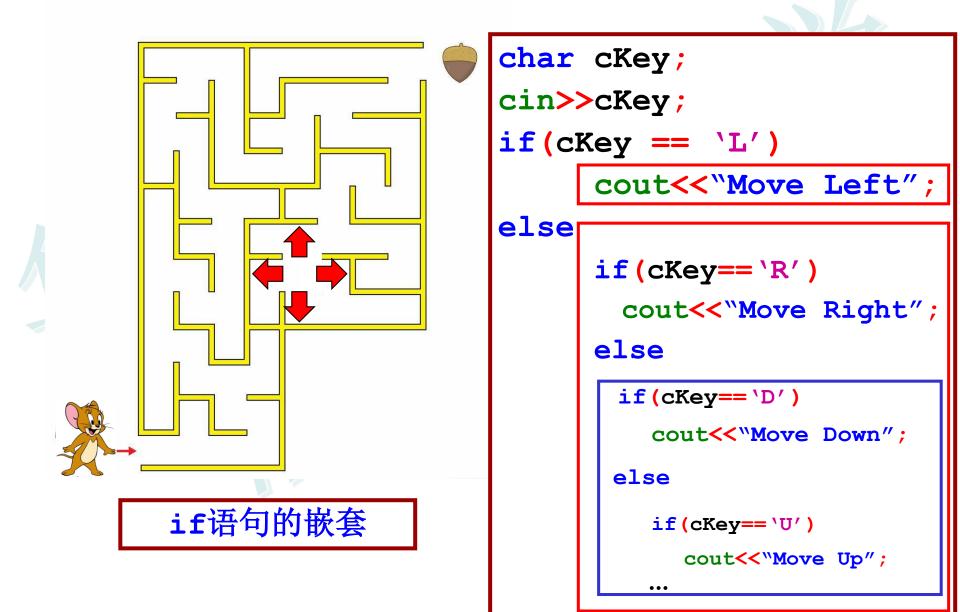
#### 小老鼠走迷宫: if-else双分支选择结构

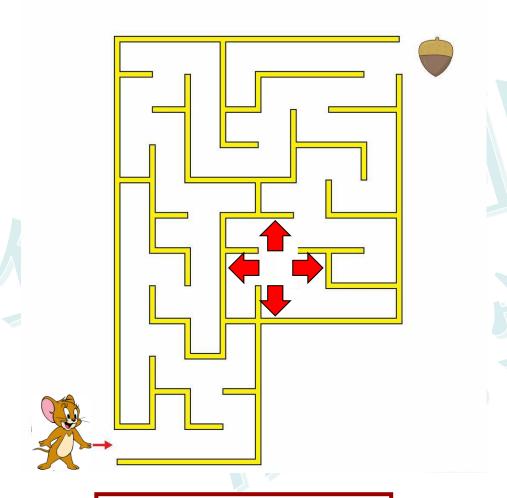




if语句的嵌套

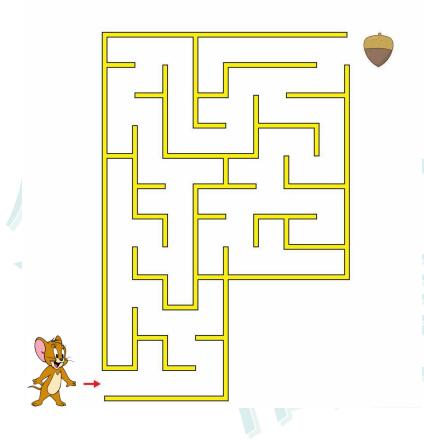
```
char cKey;
cin>>cKey;
if(cKey == 'L')
       cout<<"Move Left";</pre>
else
       if (cKey== 'R')
         cout<<"Move Right";</pre>
       else
         if (cKey== 'D')
           cout<<"Move Down";</pre>
        else
           if (cKey== 'U')
              cout<<"Move Up";
```





```
if (表达式1)
  语句1;
else if(表达式2)
  语句2;
else if(表达式3)
  语句3;
else
```

if语句的嵌套



```
#include<iostream>
using namespace std;
int main()
{ char cKey;
  cin >> cKey;
  if(cKey == 'L')
    cout<<"Move left"<<endl;</pre>
 else if(cKey == 'R')
    cout<<"Move right"<<endl;</pre>
  else if(cKey == 'U')
    cout<<"Move up"<<endl;</pre>
  else if(cKey == 'D')
    cout<<"Move down"<<endl;</pre>
  else if(cKey == '0')
    cout<<"I did it!"<<endl;</pre>
  else
    cout<<"Inpt Wrong"<<endl;</pre>
  return 0;
```

## 小结

- if语句单分支选择结构
- if-else双分支选择结构
- if语句的嵌套

# 延伸

修改程序,用多个单分支结构实现初级版 本的小老鼠走迷宫程序。