

电梯实验:

```
#include<iostream.h>
```

```
int main()
```

```
{
```

```
    static int floor=1;
```

```
    char a;
```

```
    int number;
```

```
    cout <<"input u you are up,input d you are down:";
```

```
    cin>>a;
```

```
    while(a!='#')
```

```
    {
```

```
        if(a=='u')
```

```
        {
```

```
            cout<< "which floor are you going to ?";
```

```
            cin>>number;
```

```
            if(number>floor)
```

```
            {
```

```
                floor=number;
```

```
                cout<<"now we are "<<floor;
```

```
            }
```

```
            else   cout<<"error";
```

```
        }
```

```
        else if(a=='d')
```

```
        {
```

```
            cout<<"which floor are you going to?";
```

```
            cin>>number;
```

```
            if(number<floor)
```

```
            {
```

```
                floor=number;
```

```
                cout<<"now we are"<<floor;
```

```
            }
```

```
            else   cout<<"error";
```

```
        }
```

```
        else
```

```
            cout<<"error";
```

```
            cout<< "which floor are you going to ?";
```

```
            cin>>a;
```

```
        }
```

```
        return 0;
```

```
    }
```