

Logic Operators

```
1  #include <iostream>
2  using namespace std;
3  int main(){
4      float purchase;
5      int vip = 5;
6      cout << "For a limited time, buyers can now get a discount of their purchase, but only under certain conditions.\n";
7      cout << "Enter the total purchase amount (in dollars). ";
8      cin >> purchase;
9      while((vip != 0) && (vip != 1)){ // If VIP entry is not 0 or 1, this block will ask again.
10         cout << "Does this buyer have an active VIP membership? (1 for 'yes', 0 for 'no') ";
11         cin >> vip;
12         if((vip != 0) && (vip != 1)){
13             cout << "Invalid entry. Please try again.\n";
14             continue;
15         }
16         else{
17             break;
18         }
19     }
20     try{
21         if(purchase <= 0){
22             throw "Purchase number can't be 0 or lower!";
23         }
24         else{
25             if((purchase >= 150) || (vip == 1)){
26                 cout << "This buyer can get the discount!";
27             }
28             else{
29                 cout << "No discount is available.";
30             }
31         }
32     }
33     catch(const char* error){
34         cout << "ERROR: " << error;
35     }
36 }
```

```
For a limited time, buyers can now get a discount of their purchase, but only under certain conditions.
Enter the total purchase amount (in dollars). 41
Does this buyer have an active VIP membership? (1 for 'yes', 0 for 'no') 3
Invalid entry. Please try again.
Does this buyer have an active VIP membership? (1 for 'yes', 0 for 'no') 0
No discount is available.
```

```
For a limited time, buyers can now get a discount of their purchase, but only under certain conditions.
Enter the total purchase amount (in dollars). 172
Does this buyer have an active VIP membership? (1 for 'yes', 0 for 'no') 0
This buyer can get the discount!
```

```
For a limited time, buyers can now get a discount of their purchase, but only under certain conditions.
Enter the total purchase amount (in dollars). 61
Does this buyer have an active VIP membership? (1 for 'yes', 0 for 'no') 1
This buyer can get the discount!
```

```
For a limited time, buyers can now get a discount of their purchase, but only under certain conditions.
Enter the total purchase amount (in dollars). -139
Does this buyer have an active VIP membership? (1 for 'yes', 0 for 'no') 1
ERROR: Purchase number can't be 0 or lower!
```