

4.1 If Statements

If statements allow the user to make a decision.

Filename: ca4-1a.cpp

This program will read in a test score, if the test score is 80 or more it will print passed, otherwise it will print failed. Your program should work for any number of data items.

```
#include <iostream>
using namespace std;
int main()
{   int score;

    while ( cin>>score )
    {
        if ( score >= 80 )
        {
            cout<<score<<" passed"<<endl;
        } else
        {
            cout<<score<<" failed "<<endl;
        }
    }
}
```

Write a program that will read in a test score, if the test score is 70 or more, print "is a passing grade" otherwise print "is a failing grade". Your program should work for any number of data items.

Filename: ca4-1b.cpp

Read in the price of an item (it can be an int), if the price is over 150, print "too expensive", otherwise print "great price". Your program should work for any number of data items.

filename: ca4-1c.cpp

Write a program that will read in 2 test scores per line, if the sum of test scores is 140 or more, print "passed", otherwise print "failed". Your program should work for any number of data items.