

PP3 - Using a while loop to read in more than 1 line of data

When writing a program, the program is more useful when we can make the program repeat itself.

Example of a program that works 1 time:

```
#include <iostream>
using namespace std;
int main()
{   int x, y;

    cin>>x;

    y = x * 3;

    cout<<x<<" tripled is " <<y<<endl;

}
```

Example of program that will repeat until the user signals to stop.

```
#include <iostream>
using namespace std;
int main()
{   int x, y;

    while ( cin>>x)
    {   y = x * 3 ;

        cout<<x<<" tripled is " <<y<<endl;
    }

}
```

Press <ctrl> d to tell the computer you are done, there is no more data.

Example 2 of a program that works 1 time:

```
#include <iostream>
using namespace std;
int main()
{   int x, y, sum;

    cin>>x>>y;
    sum = x + y;
    cout<<x<<" plus " <<y<<" is " <<sum<<endl;

}
```

Example of program that will repeat until the user signals to stop.

```
#include <iostream>
using namespace std;
int main()
{   int x, y, sum;

    while ( cin>>x>>y)

    {   sum = x + y;

        cout<<x<<" plus " <<y<<" is " <<sum<<endl;

    }

}
```

Press <ctrl> d to tell the computer your are done, there is no more data.

Filename: pp3a.cpp

Write a program that will read in a list of numbers, triple each number in the list and print the result.

Filename: pp3b.cpp

Write a program that will read in 2 numbers per line, and print the sum. You program should work for any number of lines of data.

Filename: pp3c.cpp

Write a program that will read in 3 numbers per line, and print the sum. You program should work for any number of lines of data.