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/******  
* Author: Jessica Schuler  
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* Filename: repetition.cpp  
*  
* Overview:  
* A program to print something using repetition.  
* Input:  
* The user inputs a 1 for the song to repeat or a -1 to end  
* the song.  
*  
* Output:  
* The song outputs if th user enters a 1.  
*  
*  
*****/  
  
#include<iostream>  
  
using std::cout;  
using std::cin;  
using std::endl;  
  
int main()  
{  
    int input = -1;  
  
    //explain what kind of input we are looking for and get input  
    cout<<"What would you like to do today?"<<endl;  
    cout<<"[1] Sing \"99 bugs reported to squash!\"(really fast!)"<<endl;  
    cout<<"[-1] Quit this nonsense!"<<endl;  
    cin>>input;  
  
    //Perform an action based on the input above  
    if(input == 1)  
    {  
        cout<<"Oh!" <<endl;  
  
        //what happens if you take out the braces here?!  
        for(int verse = 99; verse > 0; --verse)  
        {  
            cout<<"There are " <<verse<<" bugs reported to squash, ";  
            cout<<verse<<" bugs to squash!" <<endl;  
            cout<<"You fix one up, and test it around,"<<(verse -1)<<"bugs to squash!"<<endl;  
        }  
        cout<<"Then you quit, but you forgot to commit, leaving you back at 99 bugs to squash!"<<endl;  
    }  
    else if(input == -1)  
    {  
        cout<<"You have entered -1, we will now stop asking you questions." <<endl;  
    }  
    else  
    {  
        cout<<"You entered some kind of invalid input, next time try to enter valid input."<<endl;  
    }  
    //mostly blank line...to keep things separated (makes the program a bit more readable)  
    cout<<endl;  
    cout<<"Thanks for participating, now returning." <<endl;  
  
    return 0;  
}
```