

```

/*
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Period 8
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*/

//Preprocessor directives
#include <stdio.h>
#include <cs50.h>

//Main entry point of my program
int main(int argc, char* argv){

    //Sequencing
    //Selection IF
    //Iteration Looping

    //Selection Statements
    int a;
    int b;

    bool liar = false;

    a = get_int("Enter a number: ");
    b = get_int("Enter a second number: ");

    if(a<b){
        printf("a is in fact less than b.\n");
    }else{
        printf("a is larger than b.\n");
    }

    if(liar){
        printf("Liar liar, pants on fire!\n");
    }else{
        printf("At least you're honest!\n");
    }

    //Iteration

    //For Loops
    /*
    for(int x=0; x<10; x++){
        printf("%d\n", x);
    }*/
    for(int x=100; x>=0; x-=10){
        printf("%d\n", x);
    }

    //Do loop
    //When I don't know when I will be stopping
    bool quit = true;

    /*
    do {
        char ans = get_char("Do you want to quit yet? (y to quit): ");
        if (ans=='y') {
            quit=true;
        }else{
            printf("Still running...\n");
        }
    }while(!quit);
    */

    while(!quit){
        char ans = get_char("Do you want to quit yet? (y to quit): ");
        if (ans=='y') {
            quit=true;
        }else{
            printf("Still running...\n");
        }
    }

}

```