

## Do -While Loop Demonstration

to start the code in the loop's body runs once - then condition is evaluated

If the condition is true, the code in the loop's body runs again, and the condition is reevaluated.

If the condition is false, the loop terminates

### Demo Code below:

```
#include <cs50.h>
#include <stdio.h>
// an example of a Do While Loop
// these can be useful for validating input

int main(void)
{
    // initialize variables
    int input_num = 0;

    // ask for input
    // repeat until it passes validation
    // in this case we want a positive number
    do
    {
        printf("Would you please enter a positive integer? ");
        input_num = GetInt();
    }
    while (input_num < 1);

    // when the input is no longer less than one the program continues
    printf("Thanks! You entered: %i\n", input_num);
}
```