

More Loops

For Loop:

Syntax:

```
for (<assignment>; <guard>; <increment>)
{
    //Put loop body here.
}
```

Example (count from 0 to 9):

```
int num;
for (num = 0; num < 10; num++)
{
    printf("%d\n", num);
}
```

Program:

I want you to get three numbers from the user and then print out the sum of the numbers.

Follow these specs:

- Use a constant for the number of inputs you want from the user so that you can quickly change it.
- Use a for loop.
- Only allow positive numbers.
 - If the user enters a negative number, than prompt them again and get a new number. Continue to do this until they enter a non-negative number.
 - Hint: you will need another loop.

Runs (input is in **bold**):

Run 1:

```
Please enter an int: 1
Please enter an int: 2
Please enter an int: 3
SUM: 6
```

Run 2:

```
Please enter an int: -1
Please enter an int: -1
Please enter an int: -1
Please enter an int: 1
Please enter an int: -1
Please enter an int: 2
Please enter an int: -1
Please enter an int: 3
SUM: 6
```

ALTERNATIVE METHOD:

Please int #0: **1**
Please int #1: **2**
Please int #2: **3**
SUM: 6

Please int #0: -1

HEY!, enter a positive int: **1**
Please int #1: **-2**
HEY!, enter a positive int: **2**
Please int #2: **-4**
HEY!, enter a positive int: **-4**
HEY!, enter a positive int: **-4**
HEY!, enter a positive int: **3**
SUM: 6