

C PROGRAMMING LEARN WITH ME

Sum of Natural Numbers Using for Loop

```
#include <stdio.h>
int main() {
    int n, i, sum = 0;

    printf("Enter a positive integer: ");
    scanf("%d", &n);

    for (i = 1; i <= n; ++i) {
        sum += i;
    }

    printf("Sum = %d", sum);
    return 0;
}
```

Sum of Natural Numbers Using while Loop

```
#include <stdio.h>
int main() {
    int n, i, sum = 0;
    printf("Enter a positive integer: ");
    scanf("%d", &n);
    i = 1;

    while (i <= n) {
        sum += i;
        ++i;
    }

    printf("Sum = %d", sum);
    return 0;
}
```

Output

```
Enter a positive integer: 100  
Sum = 5050
```