A "for" loop in C:

```c
int sum;
int i; /* for loop variable */
sum = 0;
for (i = 0; i < n; i++) { sum += a[i]; }
```

Now the same loop in Ada 83:

```ada
Sum: Integer;
-- no decl for 'I' necessary
Sum := 0;
for I in 1..N loop
  Sum := Sum + A(I);
end loop;
```