

























A Simple C Program

```
#include <stdio.h>
#define STOP 0
int scale=10;
int square() {
               /* function square */{
     int x,y; /* two local variables */
     x = scale*scale;
     return(x);}
/* Function: main */
/* Description: gets value and squares it */
main()
{ /* variable declarations */
    int number, value, temp; /* three integer local
variables */
   /* prompt user for input */
   printf("Enter a positive number: ");
    scanf("%d", &value); /* read into value */
    /* scale input and print */
    number = value*square();
    printf("number is %d\n", number);
}
```



















