```
#include <stdio.h>
int
main (int argc, char *argv[])
{
   int i;
   int sum = 0;
   for (i = 0; i <= 100; i = i + 1) sum = sum + i * i;
   printf ("The sum from 0 .. 100 is %d\n", sum);
}</pre>
```

FIGURE A.1.5 The routine written in the C programming language.

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