

# Steve Summit C notes , exercise

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*Source:* [http://coding.derkeiler.com/Archive/C\\_CPP/comp.lang.c/2007-03/msg03034.html](http://coding.derkeiler.com/Archive/C_CPP/comp.lang.c/2007-03/msg03034.html)

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- *From:* "arnuld" <[geek.arnuld@xxxxxxxxxx](mailto:geek.arnuld@xxxxxxxxxx)>
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this is the programme i created, for exercise 2, assignment 3 at

<http://www.eskimo.com/~scs/cclass/asgn.beg/PS2.html>

it runs fine. i wanted to know if it needs any improvement:

```
----- PROGRAMME -----  
/* Steve Summit's C programming  
  
Section 3 :: exercise 2  
  
STATEMENT:  
Write a program to compute the average of the ten numbers 1, 4,  
9, ..., 81, 100,  
that is, the average of the squares of the numbers from 1 to 10. (This  
will be a  
simple modification of Exercise 3 from last week: instead of printing  
each square  
as it is computed, add it in to a variable sum which keeps track of  
the sum of all  
the squares, and then at the end, divide the sum variable by the  
number of numbers summed.)  
  
*/  
  
#include <stdio.h>  
  
#define DIVISOR 10  
  
int main()  
{  
int i;  
double sum;  
  
sum = 0;  
for(i = 0; i <= 10; ++i)  
sum += i*i;  
  
printf("the average is: %.1f\n", sum / DIVISOR);
```

```
return 0;
```

```
}
```

----- OUTPUT -----

```
[arch@voodoo steve-summit]$ gcc -std=c99 -pedantic -Wall -Wextra  
assign-3_ex-2.c
```

```
[arch@voodoo steve-summit]$ ./a.out
```

```
the average is: 38.5
```

```
[arch@voodoo steve-summit]$
```

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