

```
1  #include <stdio.h>
2  fun(int x)
3  {
4      return x*x;
5  }
6  int main(void)
7  {
8      printf("%d", fun(10));
9      return 0;
10 }
11 //The important thing to note is, there is no return type
12 //for fun(), the program still compiles and runs fine in most
13 //of the C compilers. In C, if we do not specify a return
14 //type, compiler assumes an implicit return type as int. However,
15 //C99 standard doesn't allow return type to be omitted even if return
16 //type is int. This was allowed in older C standard C89.
17
18 //In C++, the above program is not valid except few old C++ compilers like Turbo C++.
Every function should specify the return type in C++.
```