

```
1
2
3
4
5
6
7 #include <stdio.h> // allows use of printf and scanf functions
8
9 int main() {
10     int x, t = 5; // declare variables, t is also initialized
11     printf("Enter a value for t: "); // Prompt for user input
12     scanf("%d", &t);
13     x = t*t + 3*t + 7; // expression evaluates "x"
14     printf("The value of x is %d", x); /* print result */
15     printf("\n");
16     return 0;
17 } // End main()
```

function declaration

top of function

* + - /
operators
have a precedence

end in semicolon

statements

another style of comment

return type function begin comment

arguments

argument is a string literal

must be here

comment end

escape character

return value

#if 0

#endif

integer

expression

string

End main()