

## Tutorial 6 - Programming Practice

*This tutorial is an exercise in writing C programs.*

Write a C function, `void psquare(int n)`, to print a square on the screen. The square is to be built by printing asterisks '\*' and spaces ' ' using the function `putchar()`. The dimensions of each side of the square is passed to the function as its one and only integer argument. For example, `psquare(3)` would print:

```
***  
* *  
***
```

while `psquare(5)` would print:

```
*****  
*   *  
*   *  
*   *  
*   *  
*****
```

As in any situation where you are asked to write a program, you should do the following:

- try to break this problem down into a sequence of simpler steps.
- continue the process of decomposition until you think you can solve the problem using C language constructs that you are familiar with
- verify the correctness of each step or part of your solution before testing the complete program
- if you run into problems, try to figure out the cause and try an alternate approach before asking for help
- try to predict what should and would happen with extreme input values (e.g. negative values, zero, large positive values).