

1. Write a program that begins by prompting the user for a size. It will then generate a grid pattern (seen below), based on the size entered by the user.

Below is the output for size 6:

```
*****
-----
*****
-----
*****
-----
```

2. Modify the program so that instead of the pattern shown above, it would generate this one for size 6:

```
$*$*$*
*$*$*$
$*$*$*
*$*$*$
$*$*$*
*$*$*$
```

3. Now change it so that it draws a multiplication table. Don't worry too much about spacing. Below is the output if the user requests size 6:

```
1  2  3  4  5  6
2  4  6  8 10 12
3  6  9 12 15 18
4  8 12 16 20 24
5 10 15 20 25 30
6 12 18 24 30 36
```

4. Now try this one: (size 6 shown)

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

[MORE ON BACK PAGE...]

$\begin{array}{c} * \\ \$* \\ *\$* \\ \$* \$* \\ * \$* \$* \\ \$* \$* \$* \end{array}$

```

* *
* * * *
* * * * *
* * * * *
* * * * *
* * * * *

```

```

      *
    * * *
  * * * * *
* * * * * * *
* * * * * * * *
* * * * * * * * *
* * * * * * * * * *
* * * * * * * * * *
* * * * * * * *
  * * * * *
    * * *
      *

```

2    3    5    7    11    13