
Remember to indent the bodies of your IF-THEN statements and looping structures.

- 1) (2 pts) Write a program that will create a table of n, n^2, n^3 for n in the range 1 to 15. Your output should look like

```

1   1   1
2   4   8
.....

```

Note that while you can do this using the dot operators, but you should use a loop for this.

- 2) (7 pts) Write a *single* MATLAB script that will compute the sums below:

a) $\sum_{i=1}^{10} i^2 + i$

b) $\sum_{i=10}^1 i^2 + i$ Your answer should agree with the value obtained for this sum from Mathematica, Maple or the Wolfram Alpha site.

c) $\sum_{i=1}^{20} \frac{i+1}{i}$

d) $\sum_{i=n}^{n^2} \sqrt{i}$. You should read the value of n from the keyboard. Test your program using $n = 8$.

e) $\sum_{i=1}^{15} \sum_{j=0}^i i + j + ij$

- 1) (x pts) Write a program that will create a table of n, n^2, n^3 for n in the range 1 to 15. Note that you can do this using the dot operators, but you should use a loop for this.