Make and Break

Here is a complete program in an incorrect order, cut out each piece, put them in the correct order, type up the code, and run the program.

```
    printf("Finding the vertex of a quadratic equation y=ax^2+bx+c.\n");
    printf("Enter each value:\n");
    printf("    a: ");
    scanf("%lf", &a);
    printf("    b: ");
    scanf("%lf", &b);
    printf("    c: ");
    scanf("%lf", &c);
```

```
    return 0;
}
```

```
/* File Name: vertex.c
 *
 * This finds the vertex of the quadratic equation y=ax^2+bx+c.
 *
 * Author: Mr. Dagler [cdagler@egusd.net]
 */

#include <stdio.h>

int main() {
```

```
    double a, b, c;
    double h, k;
```

```
    printf(" Its vertex is (h,k) = (%.2lf,%.2lf)\n\n", h, k);
```

```
    h = -b/(2*a);
    k = a*h*h+b*h+c;
```

Make and Break Questions   Name: _____

1. What would happen if the declaration is not the first lines in the main function?

2. What would happen if you had the Processing before the Initialization?