**Pseudocode Assignment #1**

**Recipe:**

Spaghetti (Feeds 4)

1 pound of ground beef

1 can diced tomatoes

I can tomato sauce

4 cloves of garlic

1 teaspoon of salt

1 chopped onion

1 tablespoon of parmesan cheese per serving

1. Put the ground beef, salt, garlic, and onion into a pan.
2. Brown the ground beef, making sure to fully mix all the spices into the cooked ground beef.
3. Add the tomato sauce and diced tomatoes to pan.
4. Simmer for 1 hour at a low temperature.
5. Add one tablespoon of parmesan cheese per serving

**Coding:**

Drill down approach:

1. Input how many servings recipe is for
   1. DECLARE integer serving
   2. DISPLAY “How many servings is this recipe for (One person = One serving)?
   3. INPUT serving
2. Multiply servings by amount of ingredients needed
3. Output recipe with changed ingredient sizes according to how many servings there are
4. DISPLAY “Here is Chris’ spaghetti recipe:”
5. DISPLAY “Put ”, (.25\*serving), “ pounds of ground beef, ”, (.25\*serving), “ teaspoons of salt, ”, (serving), “ cloves of garlic, and ”, (.25\*serving), “ of a chopped onion into a pan.”
6. DISPLAY “Brown the ground beef, making sure to fully mix all the spices into the cooked ground beef.”
7. DISPLAY “Add ”, (.25\*serving), “ cans of tomato sauce and ”, (.25\*serving), “ cans of diced tomatoes to pan.”
8. DISPLAY “Simmer for 1 hour at a low temperature.”
9. DISPLAY “Add one tablespoon of parmesan cheese per plate”

**Complete Pseudocode:**

DECLARE integer serving

DISPLAY “How many servings is this recipe for (One person = One serving)?

INPUT serving

DISPLAY “Here is Chris’ spaghetti recipe:”

DISPLAY “Put ”, (.25\*serving), “ pounds of ground beef, ”, (.25\*serving), “ teaspoons of salt, ”, (serving), “ cloves of garlic, and ”, (.25\*serving), “ of a chopped onion into a pan.”

DISPLAY “Brown the ground beef, making sure to fully mix all the spices into the cooked ground beef.”

DISPLAY “Add ”, (.25\*serving), “ cans of tomato sauce and ”, (.25\*serving), “ cans of diced tomatoes to pan.”

DISPLAY “Simmer for 1 hour at a low temperature.”

DISPLAY “Add one tablespoon of parmesan cheese per plate.”