

Intro to Programming

What is programming?



Programming is not a bunch of crazy numbers!

It's giving computers a set of instructions!



A Special Language

A language to talk
to dogs!



Programming is a
language to talk to
computers

People are smart! Computers are dumb!

SALAD INSTRUCTIONS

Programming is like a recipe!

Computers do EXACTLY what you say, every time.

Which is great if you give them a good recipe!

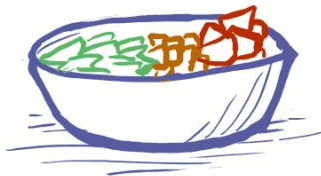
1) GET A LETTUCE HEAD, A CARROT, A TOMATO, A KNIFE, AND A BOWL



2) USE THE KNIFE TO CUT UP THE LETTUCE HEAD, CARROT, AND TOMATO



3) PUT THE LETTUCE, CARROT AND TOMATO IN THE BOWL



4) MIX THE CONTENTS OF THE BOWL



People are smart! Computers are dumb!

But if you get it
out of order....

A computer
wouldn't know
this recipe was
wrong!

SALAD INSTRUCTIONS

1) GET A LETTUCE HEAD,
A CARROT, A TOMATO, A
KNIFE, AND A BOWL



3) PUT THE LETTUCE,
CARROT AND TOMATO
IN THE BOWL



2) USE THE KNIFE TO CUT
UP THE LETTUCE HEAD,
CARROT, AND TOMATO



4) MIX THE CONTENTS
OF THE BOWL



People are smart! Computers are dumb!

Computers are bad at filling in the gaps!

A computer wouldn't know something was missing, it would just freak out!

SALAD INSTRUCTIONS



Everyone/thing has strengths!



- Understand instructions despite:
 - Spelling mistakes
 - Typos
 - Confusing parts
- Solve problems
- Tell computers what to do
- Get smarter every day



- Does exactly what you tell it
- Does it the same every time
- Doesn't need to sleep
- Will work for hours on end
- Doesn't get bored
- Really really fast
- Get smarter when you tell it how