

OKAY, LUCY, WHAT'S YOUR FAVORITE FOOD?

TACOS!

SO WHEN YOU'RE IN LINE FOR LUNCH AT SCHOOL, IF THEY HAVE TACOS, DO YOU ALWAYS ORDER THEM?

YEAH, PRETTY MUCH. I LIKE THAT YOU CAN MAKE YOUR OWN TACOS WITH WHATEVER FILLINGS YOU WANT.

CHOOSING A FAVORITE FOOD IS LIKE SETTING A VARIABLE. SO `LUCYSFAVORITEFOOD = TACOS`.

MY FAVORITE IS CHICKEN TACOS WITH GUACAMOLE. **YUM!**

THE CONDITIONAL COULD BE, **IF** THERE ARE TACOS, LUCY ORDERS THREE CHICKEN TACOS WITH GUACAMOLE.

BUT WHAT IF THERE ARE NO TACOS? WHAT'S YOUR SECOND-FAVORITE FOOD?

PIZZA!

OKAY, SO YOUR CONDITIONAL IS **IF** THERE ARE TACOS, LUCY GETS THEM WITH CHICKEN AND GUACAMOLE.

ELSE SHE ORDERS PIZZA.

THAT WORKS FOR ME.

GREAT, WE FIGURED OUT THE CONDITIONAL. NOW, HOW DO WE ADD A LOOP? IMAGINE LUCY GOES THROUGH THE LUNCH LINE AND PICKS OUT HER THREE TACOS, THEN A BANANA AND AN APPLE JUICE. THEN ANOTHER STUDENT COMES UP BEHIND HER AND PICKS OUT THE SAME THINGS; THEN A THIRD STUDENT MOVES THROUGH THE LINE AND PICKS THE SAME THINGS. THREE STUDENTS IN A ROW PICKING OUT EXACTLY THE SAME ITEMS WOULD BE A LOOP.

NOW, WHAT HAPPENS WHEN A FOURTH STUDENT STEPS UP AND GETS THREE CHICKEN TACOS WITH GUACAMOLE, A BANANA, AND A MILK?

WELL, THAT WOULD END YOUR LOOP.

I GET THE ALGORITHM, BUT NOW I'M HUNGRY. IS IT LUNCHTIME YET?