





# Plan a Snap! program for a pizza party

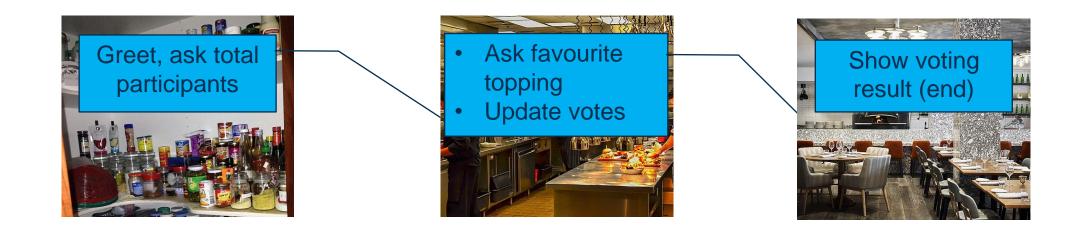
- The program will ask how many people will be attending
- The program will then ask each person on their favourite topping
- The topping with the most number of "votes" will be the topping for the pizza in the party

Write the pseudocode for solving this problem and create a flowchart

Then, start coding!



# Wireframe: quick sketch of main steps (summary)





### Pseudocode: Pizza party!

#### When green flag clicked

```
Greet the user and explain about the party
userTotal = 0; loopCount = 1
voteChicken = 0; votePepp = 0; voteTuna = 0
                                                  # set topping as one of three types: chicken, pepperoni, tuna
userTotal = input ("How many participants?")
while loopCount <= userTotal:
  Show options to user: 1 \rightarrow chicken chunks, 2 \rightarrow pepperoni, 3 \rightarrow tuna
  Ask participant no. loopCount and store answer in userVote
  if user keys in 1: increase voteChicken by 1
                                                  # consider a suitable message to display e.g. "Chicken!" etc.
  else if user keys in 2: increase votePepp by 1
                                                   # consider a suitable message to display as feedback
  else if user keys in 3: increase voteTuna by 1
                                                  # consider a suitable message to display as feedback
  else:
    Display "You did not key in a valid number" and decrease loopCount by 1
  increase loopCount by 1
```

Tally the votes and show result

End the program



## Pseudocode: Pizza party!

#### Tally the votes and show result

if voteChicken > votePepp

if voteChicken > voteTuna

Display: "Chicken pizza it is!"

if votePepp > voteChicken

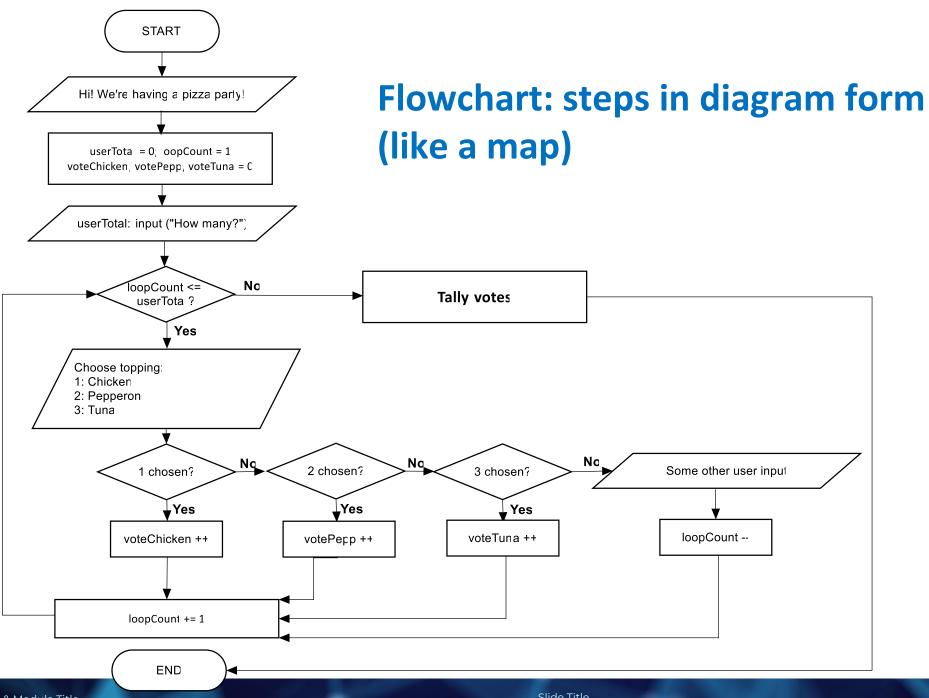
if votePepp > voteTuna

Display: "Pepperoni pizza it is!"

if voteTuna > votePepp

if voteTuna > voteChicken

Display: "Tuna pizza it is!"







## Pseudocode: Pizza party!

### Tally the votes and show result

if voteChicken > votePepp

if voteChicken > voteTuna

Display: "Chicken pizza it is!"

if votePepp > voteChicken

if votePepp > voteTuna

Display: "Pepperoni pizza it is!"

if voteTuna > votePepp

if voteTuna > voteChicken

Display: "Tuna pizza it is!"



## Storyboard: steps in pictures (like a comic book)

#### Scene Description

- A sprite pops up and says, "Welcome! We're gonna have a pizza party!"
  - The sprite then asks, "How many participants?"
  - The user types a number into a text box.
- 2 The sprite gives options for the user.
- 4a The sprite says, "Chicken pizza it is!"
- 4b The sprite says, "Pepperoni pizza it is!"
- 4c The sprite says, "Tuna pizza it is!"
- 5 The sprite says "We are going to have a (Chicken/Pepperoni/Tuna) pizza party!"

Picture of pizza will be displayed

## **Exercise!**





Go thru your group assignment documentation and start planning:

- What would your wireframe diagram look like?
- Start doing the pseudocode!