# “Turtle Tuesday” Logo Challenges

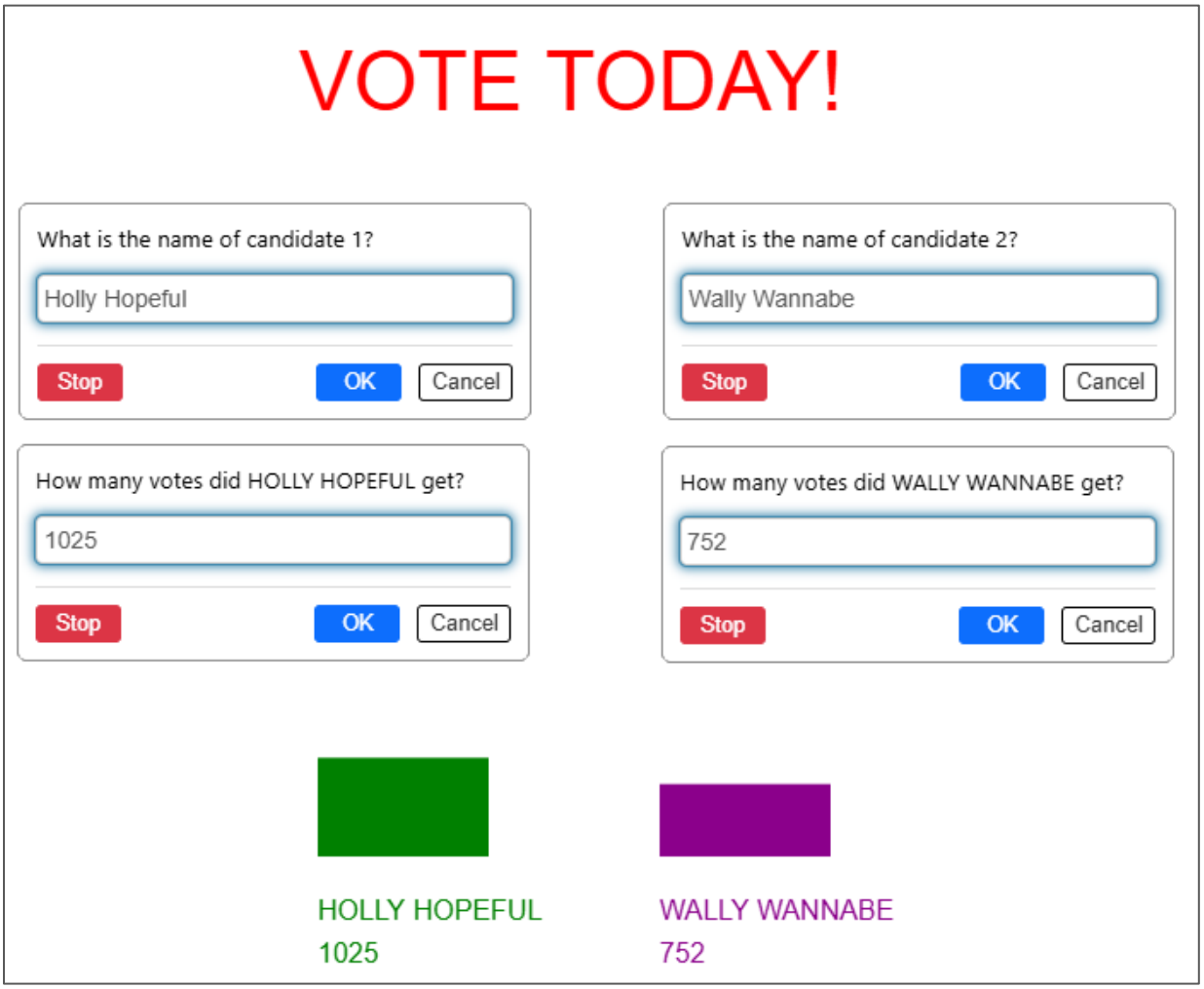
Use Logo or Logo Blocks to complete these challenges.

For more challenges, take our **“Learn to Code, Learn to Think”** email course. **Read more and sign up!**

## November 3, 2026

## Challenge No. 198

Today is Election Day!
Can you create a program that asks for candidates’ names and how many votes they each received?
Then, draw a bar graph that shows the results.




If you want the solution today, download the program using the link below.
Load the .XML file into Logo Blocks and edit it to your liking.
Copy the Logo code from Logo Blocks and paste it into the Logo editor to use it there.
**resources.terrapinlogo.com/turtle-tuesdays/code/Vote-code.xml**

**Our solutions are on the next three pages.**

# Logo Solution

```
TO SETUP
  CS
  SETFONT "HELVETICA 48 0
  SETPC "RED
  PENUP
  SETXY [-100 200]
  PENDOWN
  TURTLETEXT `VOTE TODAY!`
  PENUP
  HOME
  PENDOWN
  HIDETURTLE
END

TO GETVOTES
  MAKE "CANDIDATE1 READPROMPT `WHAT IS THE NAME OF CANDIDATE 1?`
  MAKE "CANDIDATE2 READPROMPT `WHAT IS THE NAME OF CANDIDATE 2?`
  MAKE "VOTESFOR1 READPROMPT (LIST `HOW MANY VOTES DID` :CANDIDATE1 `GET?`)
  MAKE "VOTESFOR2 READPROMPT (LIST `HOW MANY VOTES DID` :CANDIDATE2 `GET?`)
  MAKE "TOTALVOTES :VOTESFOR1 + :VOTESFOR2
  SETPC "GREEN
  PENUP
  SETXY [-100 0]
  PENDOWN
  (STAMPRECT 100 100 * (:VOTESFOR1 / :TOTALVOTES) TRUE HEADING)
  PENUP
  SETXY [100 0]
  PENDOWN
  SETPC "DARKMAGENTA
  (STAMPRECT 100 100 * (:VOTESFOR2 / :TOTALVOTES) TRUE HEADING)
END

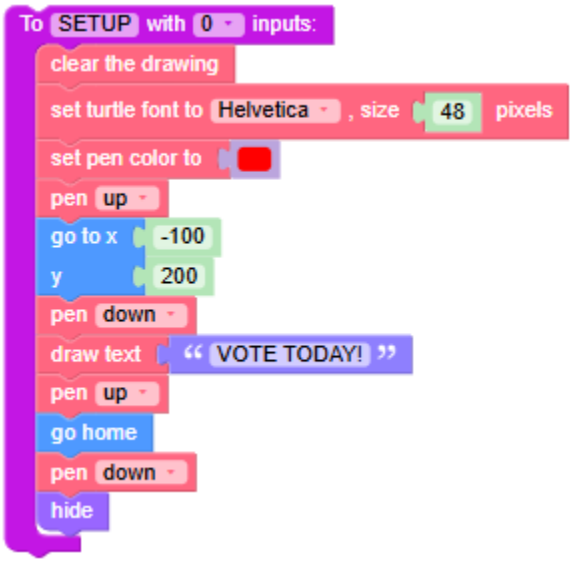
TO SHOWRESULTS
  SETPC "GREEN
  SETFONT "HELVETICA 16 0
  PENUP
  SETXY [-100 -25]
  PENDOWN
  TURTLETEXT :CANDIDATE1
  PENUP
  SETXY [-100 -50]
  PENDOWN
  TURTLETEXT :VOTESFOR1
  PENUP
  SETPC "DARKMAGENTA
  PENUP
  SETXY [100 -25]
  PENDOWN
  TURTLETEXT :CANDIDATE2
  PENUP
  SETXY [100 -50]
  PENDOWN
  TURTLETEXT :VOTESFOR2
END

SETUP
GETVOTES
SHOWRESULTS
```

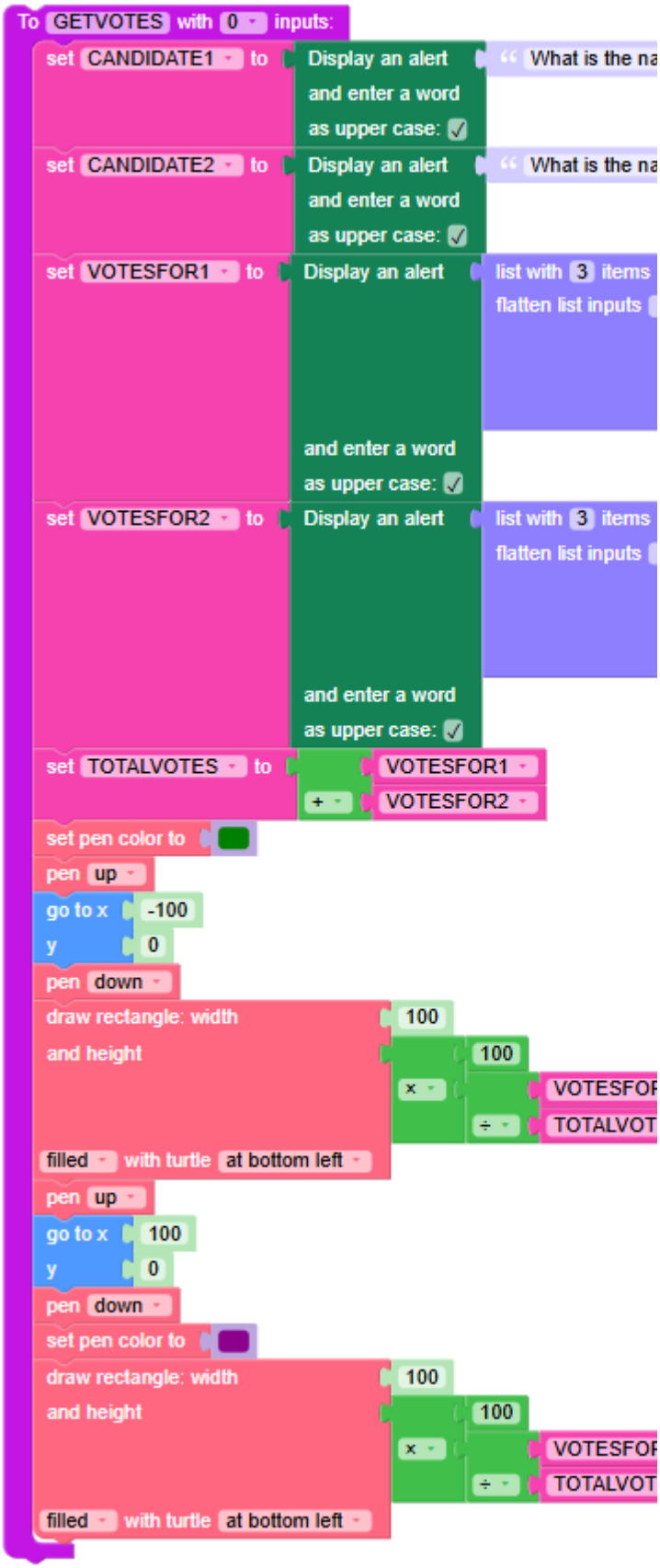
**Logo Blocks Solution**

Enter the code shown on the next two pages, or download the complete program here:
**resources.terrapinlogo.com/turtle-tuesdays/code/Vote-code.xml**

Load the .XML file into Logo Blocks and edit it to your liking.




The Logo Blocks code continues on the following page.


To GETVOTES with 0 inputs:
set CANDIDATE1 to
Display an alert
and enter a word
as upper case:
What is the na
set CANDIDATE2 to
Display an alert
and enter a word
as upper case:
What is the na
set VOTESFOR1 to
Display an alert
list with 3 items
flatten list inputs
and enter a word
as upper case:
set VOTESFOR2 to
Display an alert
list with 3 items
flatten list inputs
and enter a word
as upper case:
set TOTALVOTES to
VOTESFOR1
+
VOTESFOR2
set pen color to
pen up
go to x -100
y 0
pen down
draw rectangle: width
and height
100
100
x
VOTESFOR
÷
TOTALVOT
filled with turtle at bottom left
pen up
go to x 100
y 0
pen down
set pen color to
draw rectangle: width
and height
100
100
x
VOTESFOR
÷
TOTALVOT
filled with turtle at bottom left


To SHOWRESULTS with 0 inputs:
set pen color to
set turtle font to Helvetica , size 16 pixels
pen up
go to x -100
y -25
pen down
draw text CANDIDATE1
pen up
go to x -100
y -50
pen down
draw text VOTESFOR1
pen up
set pen color to
pen up
go to x 100
y -25
pen down
draw text CANDIDATE2
pen up
go to x 100
y -50
pen down
draw text VOTESFOR2


call SETUP
call GETVOTES
call SHOWRESULTS