Pseudocode

START

    DO
    Function setup Create Canvas, canvasWidth = 800, canvasHeight = 600

    DO
    Function draw self portrait

      DO
      Draw face, neck, mouth and nose and colour

      DO
      Draw mouth and colour dark red

      DO
      Draw eyes/pupils/eyelids and colour white, black and beige.

      DO
      Draw shirt and colour stripes in blue
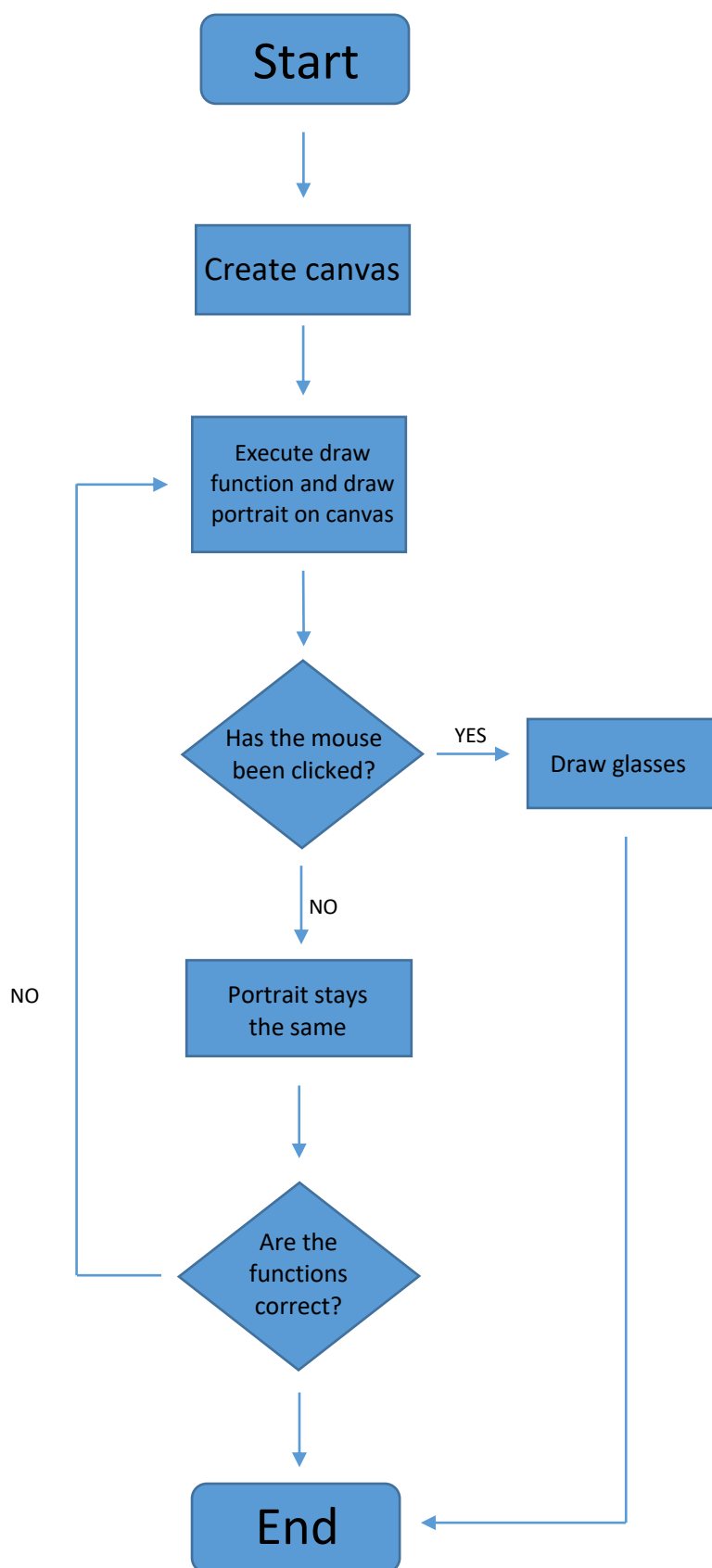
      DO
      Click on face

      DO
      Show Glasses
    ELSE
      Stay the same

    LOOP

    END

Flow Charts

Start

↓

Create canvas

↓

Execute draw function and draw portrait on canvas

↓

Has the mouse been clicked? — YES → Draw glasses

↓ NO

Portrait stays the same

↓

Are the functions correct?

NO → (back to Execute draw function)

↓

End

← Draw glasses

Flow Chart for Mouse Click function

Start

↓

Glasses = 0

↓

Glasses = >0? — F → Don't show glasses

↓ T

Show Glasses

↓

End