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Final Project Algorithm
function definitions
x1,y1 is the bottom left
x2,y2 is the top right
p1 = win.getMouse()
  if p1.getX() >= x1 and p1.getX() <= x2 and p1.getY() >= y1 and p1.getY() <= y2:
    return True
  else:
    return False
function definitions
txtObject = Text(Point(x, y), text)
  txtObject.setTextColor(color)
  txtObject.setStyle(style)
function definitions
randomNumber = 0
  randomNumber as integer
  generate a random number from 1 to 12
  randomNumber = randrange(1,13)
  tempComputer = randomNumber \\
  return tempComputer
function definitions
TextD = Text(Point(7,4), displayText)
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TextD.setTextColor("Red")
TextD.setStyle("bold")
TextD.setSize(10)
TextD.draw(win)
image.draw(win)
sleep(2)
TextD.undraw()
image.undraw()
Declare and initialize variables
Int draws = 0, singleplayerwins = 0, computerwins = 0, single_player_weapon=0
bool isOver
create a graphics window
set coordinates to 10 x 10
set a background color
create a button using a image
create and draw text for button
create a button using a image
create and draw text for button
create a button using a image
create and draw text for button
display an image
while isOver == False:
    p1 = win.getMouse()
    if p1.getX() >= 4 and p1.getY() >= 6 and p1.getX() <= 7 and p1.getY() <= 9:
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elif p1.getX() >= 4 \text{ and } p1.getY() >= 4 \text{ and } p1.getX() <= 6 \text{ and } p1.getY() <= 6:
set a background color
create and draw text
display an image
  create text using TextLayout function and draw
  display an image
  create text using TextLayout function and draw
   display an image
   create text using TextLayout function and draw
   draw on blank screen to play rest of game
   while isOver == False:
    x=0
    single_player_weapon=0
    computer=0
    p1 = win.getMouse()
    if IsValidClick(win, 1, 6, 3, 8)== True:
       single_player_weapon = 1
    elif IsValidClick(win, 4, 6, 6, 8)== True:
       single_player_weapon = 2
    elif IsValidClick(win, 7.3, 5.7, 8.7, 8.3)== True:
       single_player_weapon = 3
    elif IsValidClick(win, 4.5, 1, 5.5, 1.8)== True:
       isOver = True
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else:
  invalid
  x = 10
if isOver == False and x != 10:
   get random number using GetComputer function
  computer = GetComputer()
 if statements
  if single_player_weapon==3 and (computer > 0 and computer < 5):
     create text, display an image and draw using TextLayout function
     Add to player wins
     singleplayerwins += 1
  elif (computer > 4 and computer < 9) and single_player_weapon==1:
     create text, display an image and draw using TextLayout function
     Add to computer wins
     computerwins += 1
  elif single_player_weapon==1 and(computer > 7 and computer < 13):
     create text, display an image and draw using TextLayout function
     Add to player wins
     singleplayerwins += 1
  elif (computer > 0 and computer < 5) and single_player_weapon==2:
     create text, display an image and draw using TextLayout function
```

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Add to computer wins
  computerwins += 1
elif single_player_weapon==2 and (computer > 4 and computer < 9):
  create text, display an image and draw using TextLayout function
  Add to player wins
  singleplayerwins += 1
elif (computer > 7 and computer < 13) and single_player_weapon==3:
  create text, display an image and draw using TextLayout function
  Add to computer wins
  computerwins += 1
elif(computer > 0 and computer < 5) and single_player_weapon ==1:
  create text, display an image and draw using TextLayout function
  Add to draws
  draws += 1
elif(computer > 4 and computer < 9) and single_player_weapon ==3:
  create text, display an image and draw using TextLayout function
  Add to draws
  draws += 1
elif(computer > 7 and computer < 13) and single_player_weapon==2:
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create text, display an image and draw using TextLayout function
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Add to draws

draws += 1

create text, calculate scores, and draw

if isOver == True:

close window

if p1.getX() >= 4 and p1.getY() >= 1 and p1.getX() <= 5 and p1.getY() <= 2:

isOver = True

close window