

```
MAIN
BEGIN
    CREATE xPos, yPos, xVel, yVel
    PRINT "Enter the starting X position: "
    xPos ← READ
    PRINT "Enter the starting Y position: "
    yPos ← READ
    PRINT "Enter the starting X velocity: "
    xVel ← READ
    PRINT "Enter the starting Y velocity: "
    yVel ← READ
    WHILE (xPos < 100 && xPos > 0)
        PRINT "X:" + xPos + "      Y:" + yPos
        xPos ← xPos + xVel
        yPos ← yPos + yVel
    ENDWHILE
    PRINT "X:" + xPos + "      Y:" + yPos
END
```