

V Bugs Worksheet 1

Name: _____

Year Level: _____

Answers to Part 1

What is happening on your screen? Describe the output below:

Answers to Part 2

Exercise1: *Reading the code*

- a) Which line contains the code that tells the computer to draw text on the screen?
- b) Which line does contain the code that tell a computer to draw a rectangle on the screen?
- c) Where (line number) does the game loop start and end?

Exercise 2: *Changing the text*

- a) Change the text "Hello World!" to "Hello *Your Name!*"
Write the code below that you changed to make this happen:

Answer:

```
...  
'Draws text on the screen  
  
  
  
'Refreshes the Screen and Processes Input Events  
  
...
```

Exercise 3: *Changing the color*

- a) Change the color of the text to `Color.GreenYellow`.
Write the code below that you changed to make this happen:

Answer:

```
...  
'Draws text on the screen  
  
  
  
'Refreshes the Screen and Processes Input Events  
  
...
```

- b) Change the color of the rectangle to `Color.Blue`.
Write the code below that you changed to make this happen:

Answer:

```
...  
'Draws rectangle on the screen  
  
  
  
'Draws text on the screen  
  
...
```

- c) Change the background color to `Color.LightBlue`.
Write the code below that you changed to make this happen:

Answer:

...

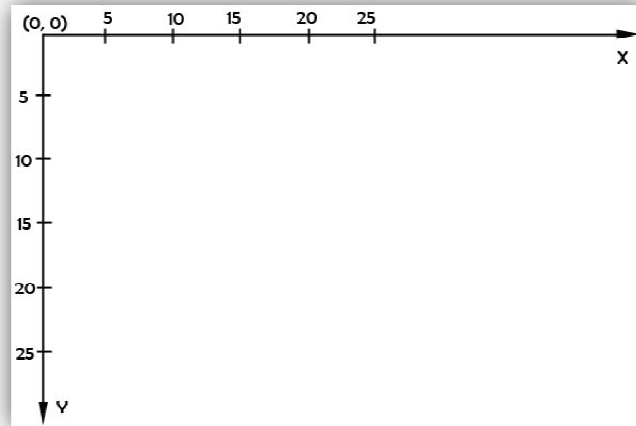
'Clears the Screen to Black

'Draws rectangle on the screen

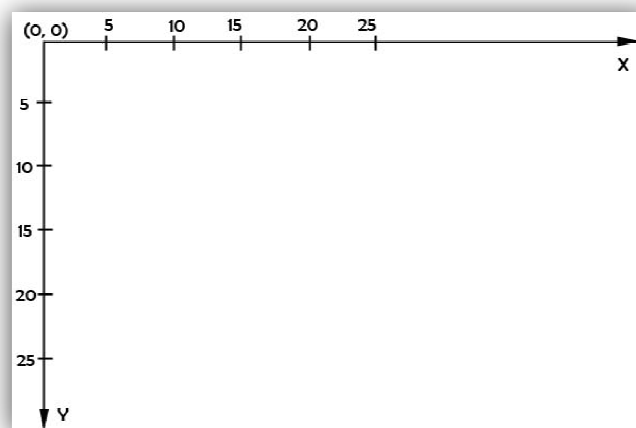
...

Answers to Part 3*Exercise 1: Locations on the screen*

- a) In the area below draw a small rectangle with coordinates $X = 15$ and $Y = 5$ by hand.



- b) In the area below draw the text "Hello Your Name" at $X = 5$, $Y = 20$.

*Exercise 2: Changing drawing locations*

- a) Change the location of the text; put it in the middle of the screen.
Write the code below that you changed to make this happen:

Answer:

...

'Draws text on the screen

'Refreshes the Screen and Processes Input Events

...

- b) Change the location of the rectangle; put it under the text.
Write the code below that you changed to make this happen:

Answer:

...

```
'Draws rectangle on the screen
```

```
'Draws text on the screen
```

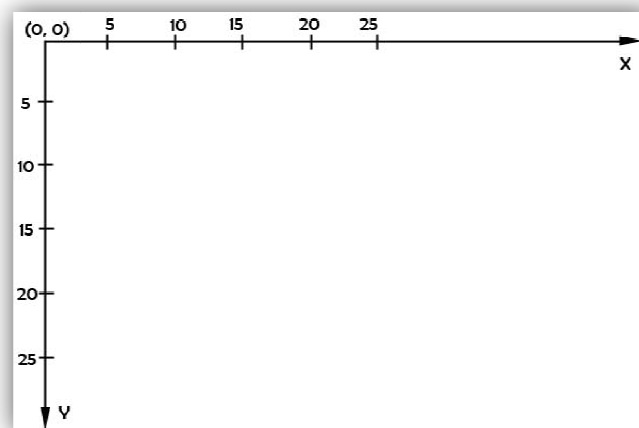
...

Exercise 3: *Size of an element*

- a) In the area below draw a rectangle with width = 5, height = 10 at the position X = 0, Y = 5.



- b) In the area below draw a rectangle with width = 10, height = 5 at the position X = 5, Y = 10.



Exercise 4: *Draw an element with the new size.*

- a) Change the size of the rectangle to width = 630 and height = 20.
Write the code below that you changed to make this happen:

Answer:

```
...  
  
    'Draws rectangle on the screen  
    _____  
  
    'Draws text on the screen  
  
...
```

Extra Exercise:

Draw Smiley face on the screen then put the code you entered to achieve this below:

```
_____  
_____  
_____  
_____  
_____  
_____
```