VBugs Worksheet 1

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| **Name:** |
| **Year Level:** |

**Answers to Part 1**

Describe the output on your worksheet.

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**Answers to Part 2**

Exercise1: *Reading the code*

1. Which line does contain the code that tells a computer to

draw text on the screen?

1. Which line does contain the code that tell a computer to draw

a rectangle on the screen?

1. Where (line number) does the game loop starts and ends?

 Exercise 2: *Changing the text*

1. Change the text "Hello World!" to any other text to "Hello *Your Name*!"

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| Answer:  …  'Draws text "Hello World"    'Refreshes the Screen and Processes Input Events  … |

Exercise 3: *Changing the color*

1. Change the color of the text to Color.GreenYellow.

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| Answer:  …  'Draws text "Hello World"    'Refreshes the Screen and Processes Input Events  … |

1. Change the color of the rectangle to Color.Blue.

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| Answer:  …  'Draws red rectangle    'Draws text "Hello World"  … |

1. Change the background color to Color.LightBlue.

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| Answer:  …  'Clears the Screen to Black    'Draws red rectangle  … |

**Answers to Part 3**

Exercise 1: *Locations on the screen*

1. On your worksheet, draw a rectangle with coordinates X = 15 and Y = 5 by hand.
2. Draw the text “Hello Your Name” at X = 5, Y = 20.

Exercise 2: *Changing drawing locations*

1. Change the location of the text; put it in the middle of the screen.

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| Answer:  …  'Draws text "Hello World"    'Refreshes the Screen and Processes Input Events  … |

1. Change the location of the rectangle; put it under the text.

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| Answer:  …  'Draws red rectangle    'Draws text "Hello World"  … |

Exercise 3: *Size of an element*

1. Draw a rectangle with width = 5, height = 10 by hand.
2. Draw a rectangle with width = 10, height = 5 by hand.

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

1. Change the size of the rectangle to width = 630 and height = 20.

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| Answer:  …  'Draws red rectangle    'Draws text "Hello World"  … |

**Extra Exercise:**

*Draw Smiley face on the screen (put the complete solution):*

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