

# VBugs Worksheet 2

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**Name:** \_\_\_\_\_

**Year Level:** \_\_\_\_\_

## Answers to Part 1

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

There is nothing on the screen at this point. Just back background.

## Exercise 1: *Loading images into your program*

1. Write the complete code for LoadImages() sub into the area below.

```
Answer:
...
Private Sub LoadImages()
    NewImage("back", "back.png")
    NewImage("photo", "photo.png")
End Sub
...
```

2. Why do we need the first parameter in `NewImage()`? (write your answer in the area below)

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### Answers to Part 2

*What do you think `DrawBitmap()` sub does? Write your answer in the area below.*

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### Exercise 1: *Drawing other images on the screen*

1. Tell the computer to draw `photo.png` on the screen. The code for this needs to be inside the Game Loop. Write the code that you entered to achieve this in the area below:

Answer:

```
...
    SwinGame.Graphics.ClearScreen()

    _____

    'Refreshes the Screen and Processes Input Events
...
```

**Answers to Part 3**

*Write the complete code for the LoadFonts() sub in the area below:*

Answer:

...

```
Private Sub LoadFonts()  
    NewFont("ArialLarge", "arial.ttf", 80)  
    NewFont("Courier", "cour.ttf", 16)
```

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```
End Sub
```

...

*Exercise 1: Drawing the text by using loaded true type font*

1. Open GameLogic.vb from the Solution Explorer. Use `Text.DrawText("Text to draw", Color.Black), GameFont("BeanTown"), posX, posY)` to write the code that tells the computer to draw text with a new font in the area below:

Answer:

...

```
SwinGame.Graphics.ClearScreen()
```

---

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```
'Refreshes the Screen and Processes Input Events
```


...

**Answers to Part 4**Exercise 1: *Colors with RGB and RGBA*

1. What is the color and how much could you see it with the following ARGB values: (255, 255, 0, 0). Write the color and mark the transparency in the area below:

Color: \_\_\_\_\_


Transparency: \_\_\_\_\_



2. What is the color and how much could you see with the following ARGB values: (30, 0, 255, 0). Write the color and mark the transparency in the area below:

Color: \_\_\_\_\_


Transparency: \_\_\_\_\_



3. What is the color and how much could you see with the following values of ARGB: (0, 0, 0, 255). Write the color and mark the transparency in the area below:

Color: \_\_\_\_\_

Transparency: \_\_\_\_\_



Exercise 2: *Drawing rectangle with the customized color*

1. Draw one rectangle of each of the colors from the previous exercise. Use `Color.FromArgb(redVal, greenVal, blueVal, alphaVal)` as the color of rectangle. Write the code that you entered to achieve this in the area below:

