VBA MSGBOX FUNCTION

In VBA, you can use the MsgBox to display a message or alert box.

A MsgBox is a dialog box that you can use to inform your users by showing a custom message or get some basic input, such as Yes/No or OK/Cancel.

While the MsgBox is displayed, your VBA code is halted. You need to click any of the buttons in the MsgBox to run the remaining VBA code.

The Anatomy of a VBA MsgBox

A message box has the following parts:

1. **Title:** This is the message title and it is displayed on the Title Bar of the dialog box. If you don't specify any title then the application name would be displayed there.
2. **Prompt:** This is the message that you want to display. You can use this space to write a couple of lines or even display tables/data as it is this area that specifies the message to be displayed.
3. **Buttons:** While OK is the default button, you can customize it to show buttons such as Yes/No, Yes/No/Cancel, Retry/Ignore, etc.
4. **Close Icon:** You can close the message box by clicking on the close icon (button).

Syntax of the VBA MsgBox Function

The syntax of the MsgBox function is:

```
MsgBox (prompt [,buttons][,title]
[,helpfile,context])
```

- **`prompt:`** This is a required argument. It displays the message that you see in the MsgBox
- **`[buttons]:`** It determines what buttons and icons are displayed in the MsgBox. The button constants in VBA are vbOKOnly, vbOKCancel, vbAbortRetryIgnore, vbYesNo, vbYesNoCancel, vbRetryCancel, vbMsgBoxHelpButton, vbDefaultButton1. Also it determies the icon to show. Some icon constants in VB are vbCritical, vbQuestion, vbExclamation, and vbInformation.
- **`[title]:`** Here you can specify the caption you want in the message dialog box.
- **`[helpfile]:`** You can specify a help file that can be accessed when a user clicks on the Help button. The help button would appear only when you use the button code for it. If you're using a help file, you also need to also specify the context argument.
- **`[context]:`** It is a numeric expression that is the Help context number assigned to the appropriate Help topic.

Note that all the arguments in square brackets are optional.