



WORKSHEET 16

School: Ba Sangam College

Year / Level: 12

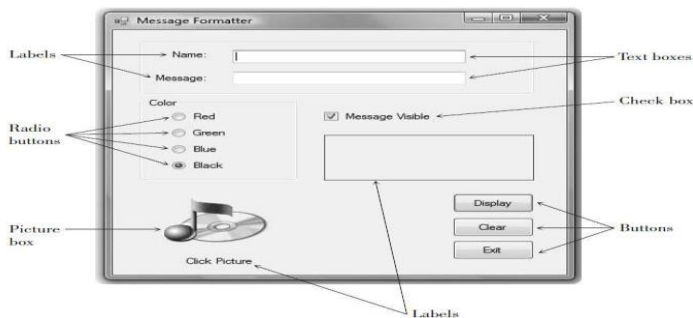
Subject: Computer Studies

Name of Student: _____

Strand	3 – Programming
Sub strand	3.1 Steps involved in programming
Content Learning Outcome	Describe six steps involved in programming

What is VB.NET?

VB.NET is an object-oriented language primarily used to write application programs that run in windows or on the internet using a graphical user interface (GUI).



A Visual Basic application, called a **solution**, can consist of one or more projects. Each project can contain one or more form files.

Application (Project) is made up of:

Forms - Windows that you create for user interface

Controls - Graphical features drawn on forms to allow user interaction (text boxes, labels, scroll bars, command buttons, etc.) (Forms and Controls are **objects**.)

Properties - Every characteristic of a form or control is specified by a property. Example properties include names, captions, size, color, position, and contents. Visual Basic applies default properties. You can change properties at design time or run time.

Methods - Built-in procedure that can be invoked to impart some action to a particular object.

Event Procedures - Code related to some object. This is the code that is executed when a certain event occurs.

General Procedures - Code not related to objects. This code must be invoked by the application.

Modules - Collection of general procedures, variable declarations, and constant definitions used by application.

File name	File Icon	Description
HelloWorld.sln		The solution file. A text file that holds information about the solution and the project it contains
HelloWorld.suo		Solution user options file. Stores information about the state of the integrated development environment(IDE)
HelloForm.vb		A .vb file holds the code procedures that you write. This is a text file that you can open in any editor
HelloForm.resx		A resource file for the form. This text file defines all resources used by the form, including strings of text, numbers, and any graphics.
HelloForm.Designer.vb		A file created by the form designer that holds the definition of the form and its controls.
HelloWorld.vbproj.user		The project user option file. This text file holds IDE option settings so that the next time you open the project, all customizations will be restored

Activity

1) What is the purpose of an IDE?

2) What are objects and properties?

3) Visual Basic is event-driven. What does this mean?

4) What is the purpose of the Name property of a control?

5) What is the purpose of these visual basics file types: .sln, .suo & .vb?
