



WORKSHEET 18

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

Pretest and a post-test in a Do/Loop.

Pretest Do/Loop	Posttest Do/Loop
Do-while tests the loop condition each time through the loop & it keeps executing while the test expression is a true value.	Loop while we check the condition at the bottom.
When the conditional expression is false then the statements in Do/Loop are skipped.	When the loop while is used, the body of loop is executed at least once, since the condition is at the bottom of the loop.

Do/Loop and a For/Next loop.

Do/Loop	For-Next Loop
Do-Loop construct is used when we don't know how many iterations will be performed	When we know the exact number of execution on the block of code, For-Next construct is used.
Do-while tests the loop condition each time through the loop & it keeps executing while the test expression is a true value	To use this construct we have to use a counter. We will always loop from star value to some end value.
In this we will have to specify the increment number.	In For-Next loop always increment by one by default

Block-level variable is used only within a block of code inside a procedure.

Scope- the visibility of a variable

Reserve words- are words for which visual basic has some meaning eg PRINT, END,CLOSE

Identifier – reserves an area of memory and assigns it a name

Iteration – is a single execution of the statements in the loop

Masked Textbox - is used to restrict the input from user. **Masked** Edit controls are also used to change the format of output that is to be delivered.

Group box – are used as containers for other controls. Usually, groups of radio buttons or check boxes are placed in group boxes

Picture Box – it is used to hold an image.

Activity

- 1) What are the three steps for writing Visual Basic projects? Describe in your own words what happens in each of the steps.

- 2) What does context-sensitive Help mean? How can you use it to see the Help page for a command button?

- 3) State the difference between a constant and a variable?

- 4) Declare a variable called Name as a String Variable?

- 5) What kind of data does string hold?

- 6) What is the difference between label and textbox?

- 7) What is the difference between check boxes and Radio button?
