



Department of Education, Sabaragamuwa/weekly school

week-October - 2

Subject-Information and Communication
Technology

Grade-13

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Unit 9 – Programming

1. The following Python program is intended to print a set of words entered by the user as a single line. The program prompts the user to enter the words until an empty line is entered. The words should be printed in the entered order. The program has both syntax and logical errors. The line numbers are used to reference the lines and not part of the program.

```
1. wd = raw_input("Type a word:>)\n2. line = ""\n3. while wd != "":\n4. line = wd + line + " "\n5. wd = raw_input("Type a word:> )\n6. print("You typed: ", line)
```

- 1.) State the lines which contain syntax errors and state the error.
 - 2.) Which lines should be changed to obtain the desired output and state how they should be changed?
2. Nilani has recorded the ICT marks obtained by 20 students for a test in the computer. Marks are stored in the file 'marks.txt' where each mark is written in a separate line as given below.

```
name1    mark1\nname2    mark2\n.....   .....
```

Nilani requested you to write a program to find the number of students who got marks greater than 50 and print it on the screen.

- 1.) Write an algorithm for the above problem using a flowchart.
- 2.) Write a Python program to implement your flowchart.