TUTORIAL 1

NAME:	
REGISTRATION NO:	

CLO1

1. Fill in the statement below about the history of C with the correct answer:

C was invented by _____ at Bell Labs in _____ and became popular in 1978. It was first written to design the _____operating system based on an older language called ____ language. Later on, newer languages such as C++, Java and C# were based on C.

BCPL	B	1972	Dennis Ritchie	Ken Thompson	UNIX
		LINUX	1973		

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2. Match the definition correctly:

Program	**A computer language program used to develop applications, scripts, or other set of instructions for a computer to execute.**
Programming language	**A person who writes a program**
Programmer	**A set of instructions that tells the computer what to do**

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3. State three types of programming language:

a. _____ language

b. _____ language

c. _____ language

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4. Match the definition correctly:

Assembly	• Natural language of a particular computer • Consists of strings of numbers(1s, 0s) • Instruct computer to perform elementary operations one at a time • Machine dependent
Machine	• English like abbreviations • Use a mnemonics, e.g LOAD, ADD.. • Translators programs called "Assemblers" to convert assembly language programs to machine language.
High level	• They are closer to human languages and further from machine language. • More "English-like", therefore easier for the programmer to "think" in the programming language. • The main advantage of high-level languages over low-level languages is that they are easier to read, write, and maintain. • Ultimately, programs written in a high-level language must be translated into machine language by a compiler or interpreter.

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5. State three types of programming:

a. _____

b. _____

c. _____

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6. Match it correctly:

Structured programming	A type of programming in which programmers define not only the data type of a data structure, but also the types of operations (functions) that can be applied to the data structure.
Modular programming	A logical construct that allows for the efficient operation of a program.
Object-oriented programming	A method for designing software by way of breaking up components of a large software program into manageable pieces.

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7. Fill in the statement about algorithm below with the correct answer:

Algorithm is the set of well-defined _____in sequence to_____.

Two forms of algorithms are _____ and _____.

Algorithms are divided into three sections; _____ , _____ and _____
For example, algorithm to fry the egg;

_____is the input, _____is the process and

_____is the output.

pseudocode | output | Raw egg | Cook the egg on the pan with a little oil

flowchart | process | input | Fried egg | solve a problem

instruction

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8. Match the definition correctly:

pseudocode	An artificial and informal language that helps programmers develop algorithms. Pseudocode is a "text-based" detail (algorithmic) design tool.
flowchart	A graphical or symbolic representation of a process.

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