**Logic Computer and Architecture**

**What is Abstraction ?**

Universal Turing machine

The machine starts possibly with data on the tape.

It is carried out by a series of steps by the control unit.

Writes a value from that call and moves to another cell.

Continue until the end of the state is reached

**Layer of abstraction**

Each Virtual machine has a layer of abstraction below It

The machine at each of the particular

Computer circuits ultimately carry out most of the work

**User Level** = This is the user interference level that we are familiar with when we are using and interacting with the computer

**Level 5 High Level Coding Language** = This is high level coding language such C#,C,Pascal,Lisp,Java

**Level 4 Assembly code** = Assembly Programming Level, this programming level acts on both Level 5 programming and also Programming Language directly under.

**Level System Software Level 3**= Level 3 system controls the executing processes on the system

Assembly Language instruction often pass through level 3

**Level 2 Machine Level**= Consists of Language instruction that are understood by code, coding language that is within machine level don’t need to be require having interpreters or compilers for them to translate the coding language

**Level 1 Control Level=** A control unit that decodes and executes instructions and moves data through the system**,** a microprogram is a low level language and is implemented by the hardware.

**Level 0 Digital Logic Level**= This is the level where we find the digital circuits( the chips )

Digital Logic Level consists of gates and wires

These components implement the mathematical logic of other levels