1.1.2 Uses of Hexar Docimals

HTML Colors: One HD digit takes 4 bits. For example HTML web page is able to show 16.8 million colors. 16.8 million numbers can be represented using 24 bits That is 224. This means every single color that a HTML programme wants to show over screen will require to use 24 bits. RED FF0000 E:9: OOFFOO GREEN ODOOFF

MAC Address: Media Accen Control Card, also known as LAN Card, NIC cand or Elhanet Card. This device represents every computer over the Internet uniquely. Phorefore its ID, Number or address must be unique and naturally big enough. 97 is held in 6 Bylis. Eg: C9: B3: A7: 45: F1: AD Where first live Bylis represent the company and Caker 3 Bytes represent the sorial of the manufactured MAL device.

This way every manufacturer can built 16.8 million MAC under one ID. There are two types of MAC addresses: UAA, Universally Administrated MAC add; given by the manufactores. LAA, Locally administrated MAC Address; given by the network administrators when they change The UAA address at their will and for some



Assembly Language and Machine Code:

Assembly and machine codes are low level languages.
Assembly language makes use of memory addresses which are in billions. To show their billions of addresses assembly programmes use H-D numbers instead of binary or decimal numbers.

E:g: STO 007A5BF9
Lan address in

hexa which is in billion.

when this address DOTASBF9
is converted to machine form
it becomes (in binary):
DODDODDDD111101001011011 [1111001

Debugging:

In case of system based programming, when microprocenor hangs, programmus try to capture dater in RAM to evaluate it later to evaluate errors from Software to work smooth.

The data in RAM (sometimes called image) is captured in binary form and is complex in nature to be understood easily. For this reason it is converted to its equivalent treason it is converted to its equivalent treason beginned form; called imagery dump.

