THE CONCEPT OF COMPUTER STORAGE

VARIABLES
Variable names are storage locations that hold data. Variables can hold numbers or string data (letters, special characters in quotes).

Naming Conventions: First character must be a letter eg. a,b, length
Second character can be a letter or a number eg. a1,b3,ab19
Names may be up to 40 characters with no spaces eg. LongName
A variable name may not be a reserved word eg. print,beep

ASSIGNMENT STATEMENTS
An assignment statement consists of a) a variable name
b) a equal sign
c) a value to be assigned which is:
- a number/string
- another variable
- an expression

Example:
x=5
y=x+1
x=y

DATA TYPES

int
long
float
double
string

PROBLEMS:
1.   Determine whether the following variable names are valid or invalid
a) X9   b) Txt Box1   c) 2b   d) Console.Beep
e) Btn.Enabled

2.   Determine whether the following assignment statements are valid or invalid.

a) a=1,000   b) x1=-17   c)   f+g=answer   d) TxtName=Sam
e) j=2c   f) Sales Tax = rate*price