## Assignment-III

**Write two functions myRead() and myWrite() satisfying the following prototypes and specifications.**

## Assignment-III (cont.)

- **Prototype:** int myRead(char, void *)
- **Valid first parameters:** 'i' (integer), 'f' (float) and 'c' (character).
- **The second parameter:** data pointer.
- To read an integer we pass 'i' as the first parameter and an integer pointer (pointing to a valid location) as the second parameter. Other two cases are also similar.

## Assignment-III (cont.)

- The function uses **int 0x80** to **read the input string**, converts it to the **appropriate data type** according to the **first parameter** (it may use **atof**, **atoi** library functions) and then **stores the value** in the **location pointed by the second parameter**.

## Assignment-III (cont.)

- **Prototype:** int myWrite(char, void *)
- **Valid first parameters:** 'i' (integer), 'f' (float), 'c' (character), and 's' (string).
- **The second parameter:** data pointer.
- To write an integer we pass 'i' as the first parameter and an integer pointer (pointing to a valid location) as the second parameter. Other three cases are also similar. A string is terminated by a '\0' as usual.

## Assignment-III (cont.)

- The function **converts the data** to a **string of ASCII characters** e.g. a floating-point number 123.50 will be converted to 0x31 0x32 0x33 0x2E 0x35. Then it uses int 0x80 to **write the string**.
- In both the cases the return value is to handle an error (0 - no error, 1 - error).

## Assignment-III (cont.)

- **Assume that the function prototypes are available in myStdin.h which is to be included.**