**Assigmnment 2**

**Write an Assembly language program with respect to 8086 to:**

1. Add 2 16-bit numbers. The 16 bit numbers are stored into the data segment.
2. Add 2 32-bit numbers stored in the data segment.
3. Program to multiply two unsigned 16-bit numbers.
4. Program to multiply signed 16-bit numbers.
5. Program to divide a 16-bit unsigned/signed number by 16-bit number. The numbers are stored into the data segment.
6. Program to copy an array of bytes/words from the variable “SOURCE” to variable “DEST” which are defined in data segment.
7. To sum an array of numbers stored in the data segment.
8. Program to separate even and odd numbers from an array of words.