**L3 TC Module : TP CI TP01 2020/2021**

1-Editer et simuler le programme assembleur suivant :

```
            ORG    $1000
START:      MOVE.L #$27F12481,D0
            MOVE.L D0,$1080
            MOVE.W D0,$1090
            MOVE.B D0,$10A0
            MOVE  D0,$10B0
            MOVE.L #$11111111,D0
            MOVE.L #$22222222,D1
            ADD D0,D1
            MOVE.L #$11111111,D0
            MOVE.L #$22222222,D1
            ADD.W D0,D1
            MOVE.L #$11111111,D0
            MOVE.L #$22222222,D1
            ADD.L D0,D1
            MOVE.L #$11111111,D0
            MOVE.L #$22222222,D1
            ADD.B D0,D1
            SIMHALT             ; halt simulator
          * Put variables and constants here
            END    START        ; last line of source
```

2-Vérifier l'effet de chaque instruction sur la mémoire et les registres du µp68000.

3-Simuler le programme assembleur suivant :

```
        ORG    $1000
START   MOVE #14,D0   ; first instruction of program
        MOVE.L #$12345678,D1
        MOVE.W D1,D0
        ADD.L D1,D0
        MOVE.L #$1030,A1
        MOVE.L #$ABCDEF00,$1030
        MOVE.L A1,D1
        MOVE.L (A1),D1
        SIMHALT             ; halt simulator
* Put variables and constants here
        END START  ; last line of source START
```

4-Que fait le programme assembleur ci-dessous ?

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```
            ORG $1000
   START:   MOVE.W #45,D1  ; first instruction of program
            ADD.W #12,D1
            ADD.W #-48,D1
            ADD.W #18,D1
            MOVE.B #3,D0
            TRAP #15 ; halt simulator
      *Variables and Strings
            END START ; last line of source
```

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