**Assembly Language – Basic Concepts (1)**

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| Group:36 | Student ID:109502555 | Name:蔡明翰 |
| Student ID:109502517 | Name:洪啟貿 |

1-1 Data Representation、Boolean Operation

Objective: Convert number between decimal, binary and hexadecimal.

1. Complete the number in table below using decimal, 8-bit binary (in 2’s complement format), and hexadecimal.

|  |  |  |
| --- | --- | --- |
| Decimal | 8-bit binary  (2’s complement) | Hexadecimal |
| 2 | 00000010 | 02 |
| 90 | 6 01011010 | 5a |
| -19 | 11101101 | ED |
| -128 | 10000000 | 80 |