1. <https://github.com/00010401/CSF.CW1.00010401>
2. a) ID number: 10401.

Converting ID number in decimal into its binary equivalent:

|  |  |  |
| --- | --- | --- |
|  | **Remainder** | **Binary** |
| 10401/2=5200 | 1 | 1 |
| 5200/2=2600 | 0 | 0 |
| 2600/2=1300 | 0 | 0 |
| 1300/2=650 | 0 | 0 |
| 650/2=325 | 0 | 0 |
| 325/2=162 | 1 | 1 |
| 162/2=81 | 0 | 0 |
| 81/2=40 | 1 | 1 |
| 40/2=20 | 0 | 0 |
| 20/2=10 | 0 | 0 |
| 10/2=5 | 0 | 0 |
| 5/2=2 | 1 | 1 |
| 2/2=1 | 0 | 0 |
| 1/2=0 | 1 | 1 |

So, the number is 10100010100001.

Converting ID number in decimal to its hex equivalent:

|  |  |  |
| --- | --- | --- |
|  | **Remainder** | **Hex** |
| 10401/16=650 | 1 | 1 |
| 650/16=40 | 10 | A |
| 40/16=2 | 8 | 8 |
| 2/16=0 | 2 | 2 |

So, the number is 28A1.