# REVISIONS CHAPTER 1, 2

**Q1 -** Find the rule of this sequence and the next number

1, 4, 9, 16, 25, 36

**Q2 -** Find the rule of this sequence and the next number

0, 1, 1, 2, 3, 5, 8, 13, 21, 34

**Q3 -** Encode your name in:

1. ASCII Voeunchanthou: hexadecial: 56 6F 65 6E 63 68 61 6E 74 68 6F 75
2. EBCDIC Voeunchanthou : E5 96 85 A4 95 83 88 81 95 A3 88 96 A4

*Note you can search on the web for EBCDIC encoding*

Example: the name "Russell" becomes (hexadecimal bytes)

1. 52 75 73 73 65 6C 6C Russell
2. D9 A4 A2 A2 85 93 93 Russell

**Q4 –** Complete the table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Base 10 | Base 2 | Base 7 | Base 8 | Base 20 |
| 45 | 101101 | 63 | 55 | 25 |
| 785 | 1100010001 | 2201 | 1221 | 1195 |
| 999 | 1111100111 | 2566 | 1735 | 2919 |