**Day 1 Evening Assignment**

1. **Write all 14 data types discussed in class in sequence.**

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| **Data Types** | **Bytes** |
| byte | 1 Byte (0 – 255) |
| Ushort | 2 Bytes (0 – 65535) |
| Uint | 4 Bytes |
| Ulong | 8 Bytes |
| Sbyte | 1 Byte (-128 to -127) |
| Short | 2 Bytes |
| Int | 4 Bytes |
| Long | 8 Bytes |
| Float | 4 Bytes (f) |
| Double | 8 Bytes (d) |
| Decimal | 16 Bytes (m) |
| Bool | T/F (0/1) |
| Char | 2 Bytes |
| String | 4 Bytes |

1. **Write list of 4 number systems and their digits range.**

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| --- | --- |
| **Number System** | **Range** |
| Binary Number system | 0 to 1 |
| Octal Number System | 0 to 7 |
| Decimal Number System | 0 to 9 |
| Hexa Decimal | 0 to 9 , A to F |

1. **Convert Decimal to Binary**

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| **Decimal** | **Binary** |
| 55 | 110111 |
| 24 | 11000 |
| 18 | 10010 |

1. **Convert Binary to Decimals**

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| **Binary** | **Decimal** |
| 10110 | 22 |
| 1011 | 11 |
| 101110 | 46 |