

WS 3: String Operations

For each of the following find:

- a) the string length
- b) the two's complement
- c) the checksum of the original string and its complement

1. 0011 1100

2. 11 0110

3. 1100 0000 1011

For each of the following strings find:

- a) the string length
- b) the reverse
- c) transposed 3 places

4. computer

5. 1011 1100

6. 2F 60 D2

Concatenate the following given strings.

7. 101 with 01100

8. hog with wild

9. 72 C0 with 1E

Find the MSB and the LSB for the following strings for the given use.

Bit

10. 1001 0110

11. 1001 0001

7 bits

12. 10 1100 0100 1001

13. 00 1000 0010 1100

Byte

14. 1000 0001 1111 0000 0000 1100

15. A2 10 3E 02

Pad the following string to the nearest byte

16. 101 1111

17. 11 0011 1101

18. 1 0111

Split the following strings into 2 parts and into 5 parts.

19. 1001 1011

20. 1000 0001 1111 0000