1. **Convert each of the following binary numbers to decimal formats.**

.

.

.

**2․ Convert each of the following octal numbers to decimal formats.**

**3․ Convert each of the following hexadecimal numbers to decimal formats.**

.

.

.

**4․ Convert each of the following decimal numbers to binary, octal and hexadecimal formats.**

**5. AND operation**

(101010)2 & (110011)2 = (100010)2​

(11110000)2​ & (10101010)2 ​= (10100000)2​

**6. OR operation**

101010 | 110011 = 111011

11110000 | 10101010 = 11111010

**7. XOR operation**

101010 110011 = 011001

11110000 ^ 10101010 = 01011010

**8. Addition / Subtraction**

A3 + 1F = C2

FE – B4 = 4A

**9. Take the word “Example123!” and convert it to Unicode.**

[0x45, 0x78, 0x61, 0x6D, 0x70, 0x6C, 0x65, 0x32, 0x33, 0x21]

**10. Search for your first name in Unicode. Write down its character codes.**

Vard   
[0x56, 0x61, 0x72, 0x64]

**11. Look online for Unicode Emoji charts. Pick 5 emojis, write down them.**

upside-down face [U+1F643](https://unicode.org/emoji/charts/full-emoji-list.html" \l "1f643)

winking face with tongue [U+1F61C](https://unicode.org/emoji/charts/full-emoji-list.html" \l "1f61c)

melting face [U+1FAE0](https://unicode.org/emoji/charts/full-emoji-list.html" \l "1fae0)

beaming face with smiling eyes [U+1F601](https://unicode.org/emoji/charts/full-emoji-list.html" \l "1f601)

grinning face with sweat U+1F605