Cryptography

Crypto 1 (Easy)

This challenge evaluates the contestant's ability to recognize different number bases. Some background knowledge in the different commonly used number bases is necessary to solve the challenge.

Question 1 is in hexadecimal. This can be converted to ASCII by hand or by using an online tool such as RapidTables. Note: The 0x is used to indicate that the value is hexadecimal and should not be converted.

Question 2 is in base64. This can be converted to ASCII by hand or by using an online tool such as Base64Decode.

Question 3 is in binary. This can be converted to ASCII by hand or by using an online tool such as Binary Hex Converter.

Question 4 is doubly encoded, first with base64 then with binary. To reverse the process, the message has to be converted from binary to the ASCII, then base64 to ASCII.

Question	Answer
`0x73636f7270696f6e`	scorpion
`c2NyaWJibGU=`	scribble
`01110011 01100101 01100011 01110101 01110010 01100101 01101100 01111001`	securely
`01100010 01000111 00111001 01110011 01100010 01000111 01101100 01110111 01100010 00110011 01000001 00111101`	lollipop