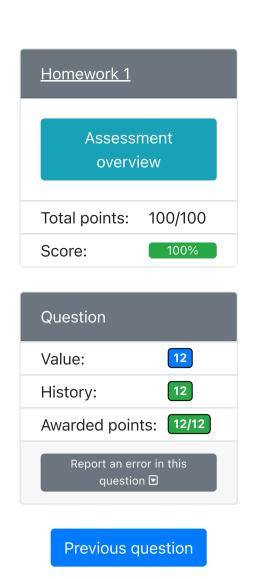
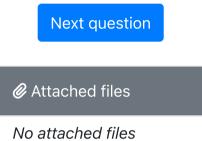
For the following problems, do not include prefixes (ex. 0b, 0x) Hint: This problem can be approached in two ways: 1) Convert the number into base-10 (decimal) then convert the number again to the desired number representation. This can be, however, a tedious approach. 2) Leverage the fact that base-8 (octal) representation is a grouping of base-2 (binary) bits in chunks of 3 (since 2^3 = 8) starting from the rightmost set of bits, also called the least significant bit (LSB), and base-16 (hexadecimal) representation is a grouping of binary bits in chunks of 4 (since 2^4 = 16) starting from the LSB. Q1.1: What is 101111000001₂ in base 8? Q1.2: What is 111100110111₂ in base 16? Q1.3: What is 5603₈ in base 2? Additional attempts available with new variants •





Attach a file **□**Attach text **□**