CS2035B Assignment 1: Testing Integer and Floating Point Conversions

Identification

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```
%%convert an interger to binary testing.
bin2int8(int2bin8(11))
bin2int8(int2bin8(-11))
bin2int8(int2bin8(100))
%%convert from binary to integer testing
int2bin8(bin2int8('10101010'))
int2bin8(bin2int8('11101110'))
int2bin8(bin2int8('10001000'))
%%convert a decimal number to a 32 bit float testing
dec2bin32(12.33)
dec2bin32(-122.12)
dec2bin32(123.11)
%%convert a decimal number to a 32 bit float testing
bin2dec32(dec2bin32(321.321))
bin2dec32(dec2bin32(-122.123))
bin2dec32(dec2bin32(12.321))
%%convert a 32 bit float to its decimal value
dec2bin32(bin2dec32('01010001001100011001100110011)))
dec2bin32(bin2dec32('11001001001110010001100110011101'))
dec2bin32(bin2dec32('01001001000100011001100110000011'))
ans =
    11
ans =
   -11
ans =
   100
ans =
    '10101010'
```

```
ans =
   '11101110'
ans =
    '10001000'
ans =
    '01000001010001010100011110101110'
ans =
    '11000010111101000011110101110000'
ans =
    '010000101111011000011100001010001'
ans =
 321.3210
ans =
-122.1230
ans =
  12.3210
ans =
    '01010001001100011001100110011000'
ans =
    '11001001001110010001100110011100'
ans =
```

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'01001001000100011001100110000010'

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