Quiz 3

COMP9021 Principles of Programming

2013 session 1

Sample outputs

```
$ a.out
Enter the sign of a normalised floating point number not equal to 0: +
Enter the exponent: -126
Enter the decimal part: 0
The 32 bits of +2^-126 \times 1.0000000, with bytes in their "natural" order, are:
    00000000 10000000 00000000 00000000
$ a.out
Enter the sign of a normalised floating point number not equal to 0: -
Enter the exponent: 127
Enter the decimal part: 0.9999999
The 32 bits of -2^127 \times 1.9999999, with bytes in their "natural" order, are:
    11111111 01111111 11111111 11111111
$ a.out
Enter the sign of a normalised floating point number not equal to 0: -
Enter the exponent: -42
Enter the decimal part: 0.5
The 32 bits of -2^-42 \times 1.5000000, with bytes in their "natural" order, are:
    10101010 11000000 00000000 00000000
$ a.out
Enter the sign of a normalised floating point number not equal to 0: +
Enter the exponent: -96
Enter the decimal part: 0.328125
The 32 bits of +2^-96 \times 1.3281250, with bytes in their "natural" order, are:
    00001111 10101010 00000000 00000000
```