

C Language Programming: Homework #7
Assigned on 12/10/2019, Due on 12/17/2019

Write a program that can input a float or double number and print out its bit pattern and vice versa (input 32 bits for float or 64 bits for double pattern and output its value) like Hw4.

You first need to input a number for transform case .

- 1 : float number to bit pattern(float format) .
- 2 : float number to bit pattern(double format) .
- 3 : bit pattern (float format) to float number .
- 4 : bit pattern (double format) to float number .

(50%)1. use "union" to implement Hw4.

(50%)2. use "struct" to implement Hw4.

Note:input output format like hw4 just the program data structure is different.

3. update your report to server, otherwise you will get -10 point.

4. If you will not submit your report , you get 0 point.

./hw7 W N (Please Follow this Sequence , otherwise you will get -20 point)

Example

```
>./hw7 1 85.125
```

0 10000101 010101001000000000000000

```
>./hw7 2 85.125
```

0 10000000101 0101010010000000000000000000000000000000000000

```
>./hw7 3 0 10000101 010101001000000000000000
```

85.125

```
>./hw7 4 0 10000000101 0101010010000000000000000000000000000000000000000000
```

85.125