# Assignment-1 Feedback

Dear students,

As you can see, we have given a comment upon your grade. Please refer to the grading standards below,

|  |  |  |  |
| --- | --- | --- | --- |
| Task | notation | content | mark |
| Task-1 | g | Sign | 10 |
| f | Exponent calculating | 25 |
| e | Two Complement in exponent | 10 |
| d | Mantissa calculating | 25 |
| c | Multiply all parts and get result | 5 |
| Task-2 | b | Judge whether MiniFloat is integer | 5 |
| a | Loop and count to check each bit sequence | 20 |

We used three JUnit tests to evaluate your method:

00100110 => 28

10100110 => -28

11111110 => -0.875

Here are some major mistakes in this assignment,

* f/d: some students have problems in calculating the exponent part or mantissa. You should regard it as binary converting problems. For example, ; on the other hand, . Please be careful of the index and its respective exponent when doing this calculation. Also, for mantissa part, don’t forget add 1 on it.
* e: many students ignore the complement issue in this assignment. The two’s complement of an N-bit number is defined as the complement with respect to ; in other words, it is the result of subtracting the number from . Please be careful of the bit ( in our case, judge whether the second bit of sequence is 1 or not), and then get relevant integer correctly.
* a: please follow our assignment instruction and make the output well-format. You should output both the integer minifloat, as well as the count of them.

Should you have any questions upon your grade, please argue and send email to [csrbai@comp.polyu.edu.hk](mailto:csrbai@comp.polyu.edu.hk) , with subject “COMP2021 Assignment-1”, **before 3pm 7 Oct (Friday)**. Any argument after this due time will be ignored.

Best,

TA