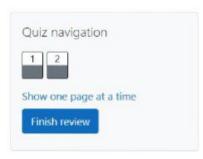
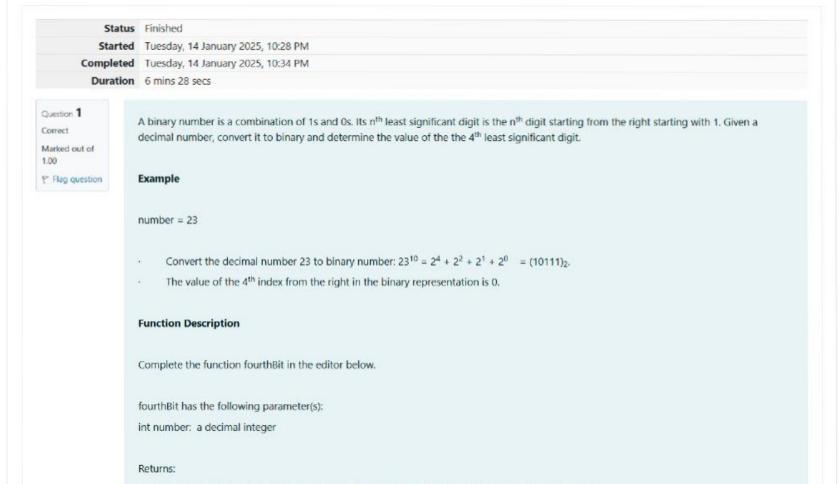
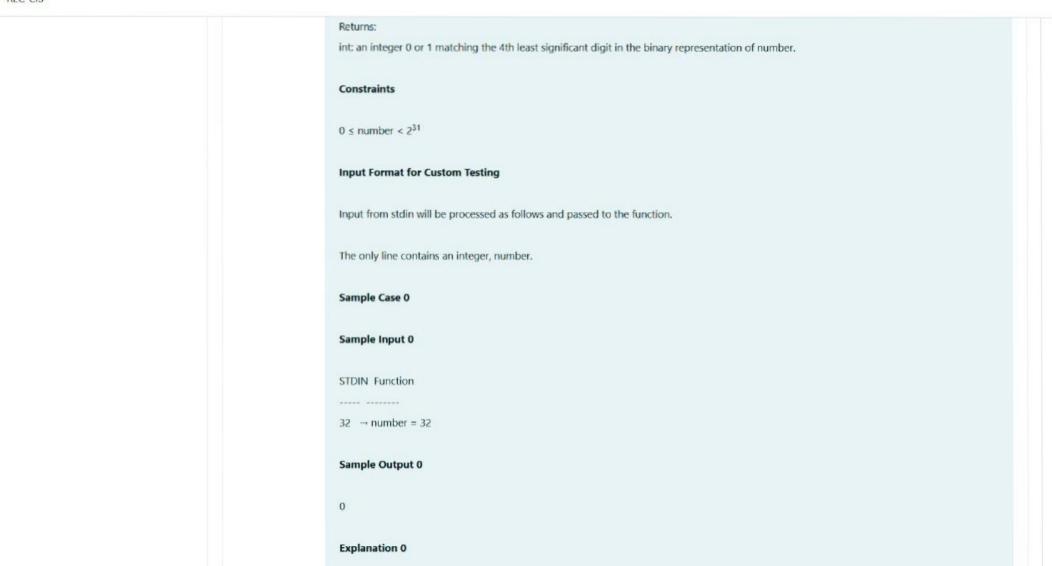
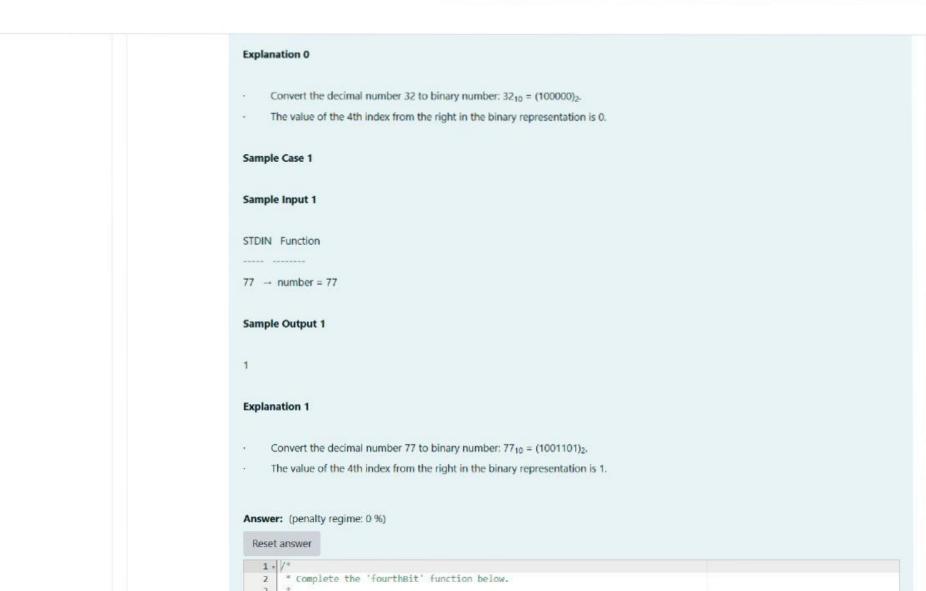
## GE23131-Programming Using C-2024







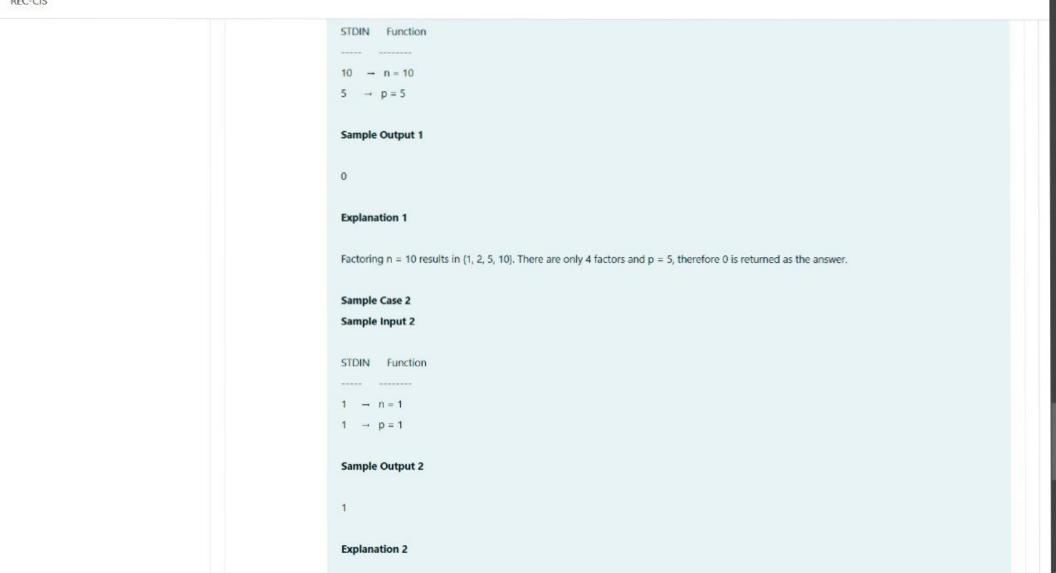


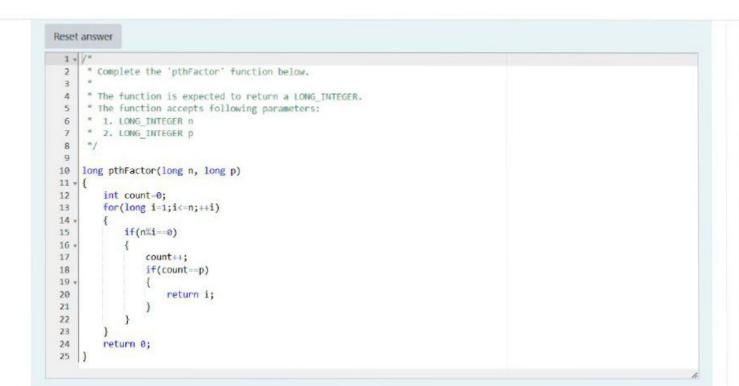
```
Answer: (penalty regime: 0 %)
 Reset answer
       * Complete the 'fourthBit' function below.
       * The function is expected to return an INTEGER.
       * The function accepts INTEGER number as parameter.
      int fourthBit(int number)
   9 + {
          int binary[32];
  10
          int i=0;
  11
  12
          while(number>0)
  13 +
              binary[i]=number%2;
  14
              number/=2;
  15
  16
              i++;
  17
          if(i>=4)
  18
  19 +
              return binary[3];
  20
  21
  22
          else
          return 7;
  23
  24 }
```

	Test	Expected	Got	
~	printf("%d", fourthBit(32))	0	0	~
~	printf("%d", fourthBit(77))	1	1	~

Passed all tests! ✓

Question 2 Correct Marked out of 1.00	Determine the factors of a number (i.e., all positive integer values that evenly divide into a number) and then return the $p^{th}$ element of the list, sorted ascending. If there is no $p^{th}$ element, return 0.
P Flag question	Example
	n = 20
	p = 3
	The factors of 20 in ascending order are {1, 2, 4, 5, 10, 20}. Using 1-based indexing, if p = 3, then 4 is returned. If p > 6, 0 would be returned.
	Function Description
	Complete the function pthFactor in the editor below.
	the same same same periodical in the editor below.
	pthFactor has the following parameter(s):
	int n: the integer whose factors are to be found
	int p: the index of the factor to be returned
	Returns:
	int: the long integer value of the p <sup>th</sup> integer factor of n or, if there is no factor at that index, then 0 is returned
	Constraints
	4 - 4 4015
	$1 \le n \le 10^{15}$ $1 \le p \le 10^9$
	1 2 h 2 10.





	Test	Expected	Got	
~	printf("%ld", pthFactor(10, 3))	5	5	~
~	printf("%ld", pthFactor(10, 5))	0	0	~
/	printf("%ld", pthFactor(1, 1))	1	1	~

Passed all tests! <