

REC-CIS

GE23131-Programming Using C-2024

Dashboard / My courses / GE23131-PUC-2024 / Week-12-User-Defined Functions / Coding

Navigation

- **∨** Dashboard
- **A** Site home
- > Site pages
- ✓ My courses
- **∨** GE23131-PUC-2024
 - **>** Participants
- Competencies
- **H** Grades
- > General
- > Skill Test-01-MCQ & Coding
- > Lecture Notes
- > Week-01-Overview of C, Constants, Variables and Da...
- > Assessment-01-Overview of C, Constants, Variables ...
- > Week-02-Operators and Expressions, Managing Input ...

Coding



Re-attempt quiz

Attempts allowed: 4

Time limit: 1 hour 30 mins

Grading method: Highest grade

Your attempts

Attempt 1	
Status	Finished
Started	Saturday, 28 December 2024, 1:41 PM
Completed	Saturday, 28 December 2024, 1:47 PM
Duration	5 mins 53 secs



















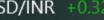














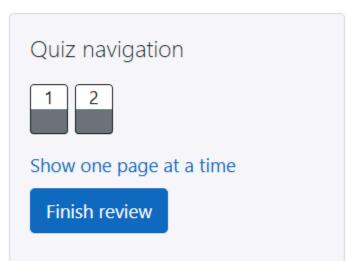






REC-CIS

GE23131-Programming Using C-2024





Question 1 Correct Marked out of

Flag question

A binary number is a combination of 1s and 0s. Its nth least significant digit is the nth digit starting from the right starting with 1. Given a decimal number, convert it to binary and determine the value of the the 4th least significant digit.

Example

number = 23

- Convert the decimal number 23 to binary number: $23^{10} = 2^4 + 2^2 + 2^1 + 2^0 = (10111)_2$.
- The value of the 4th index from the right in the binary representation is 0.

Function Description

Complete the function fourthBit in the editor below.

fourthBit has the following parameter(s):





















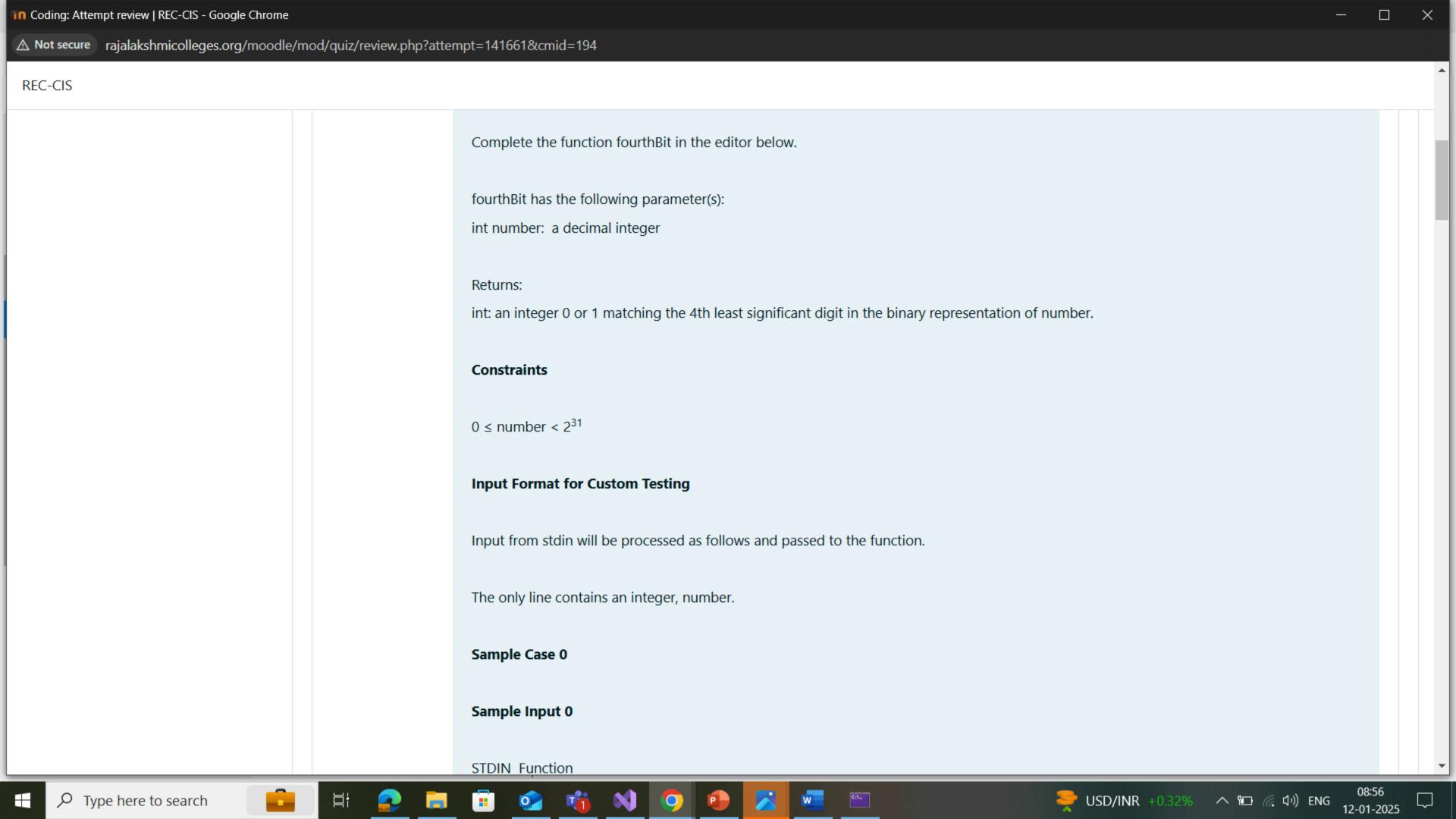


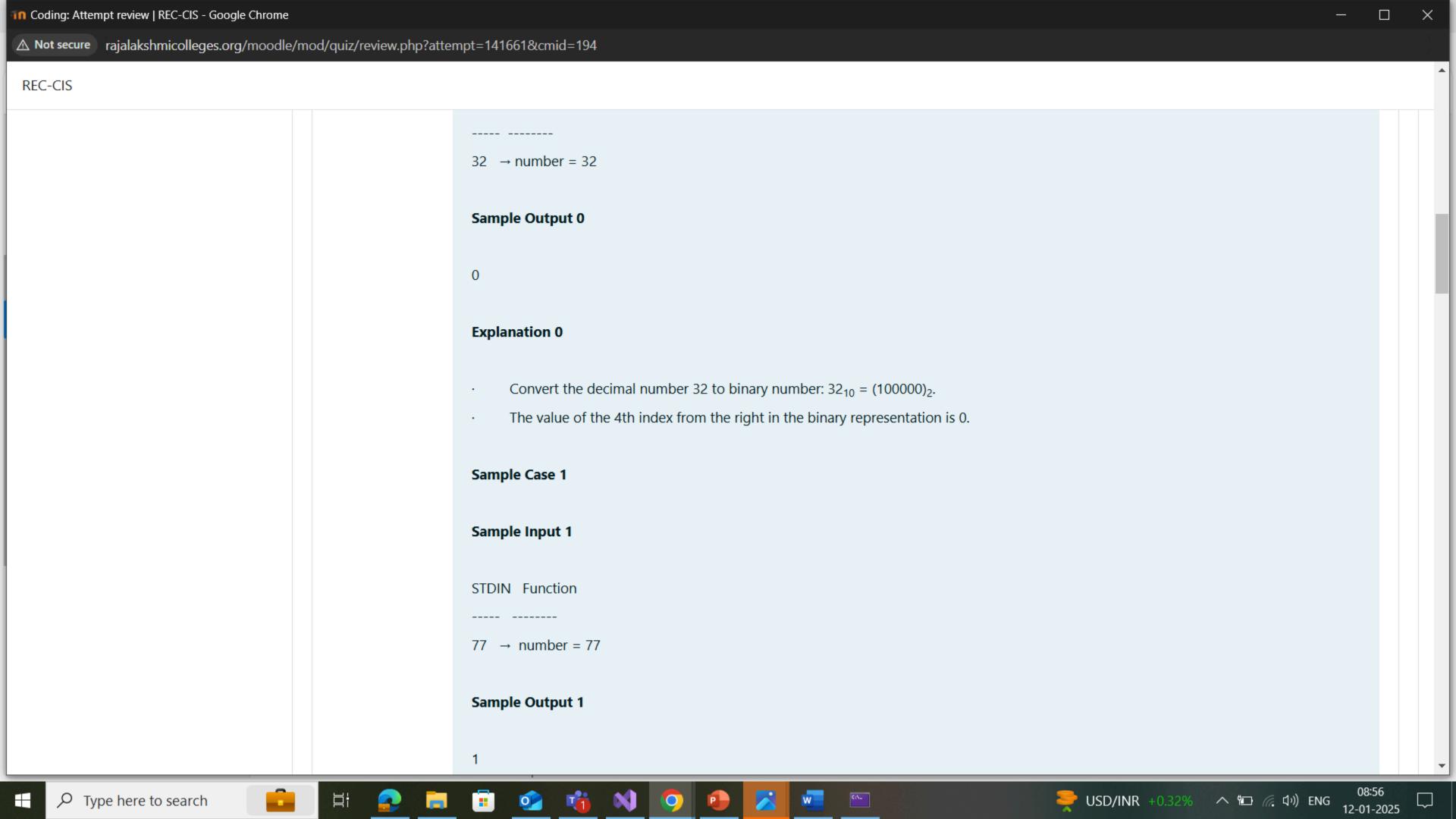












⚠ Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=141661&cmid=194

REC-CIS

```
* 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
        while(number>0)
12
13 1
            binary[i]=number%2;
14
            number/=2;
15
16
           i++;
17
       if(i>=4)
18
19
            return binary[3];
20
21
22
        else
23
24
        return 0;
25
```

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

Passed all tests! <





























