

Section: Week 12-User-Defined Functions

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REC-CIS

MADHUJA BA 2024-CSE M2

Week-12-User-Defined Functions

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Coding: Attempt review | REC-CIS - Personal - Microsoft Edge

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Reset answer

```
1 /*
2  * Complete the 'fourthBit' function below.
3  *
4  * The function is expected to return an INTEGER.
5  * The function accepts INTEGER number as parameter.
6  */
7
8 int fourthBit(int number)
9 {
10     int binary[32];
11     int i=0;
12     while(number>0)
13     {
14         binary[i]=number%2;
15         number/=2;
16         i++;
17     }
18     if(i>=4)
19     {
20         return binary[3];
21     }
22     else
23     return 0;
24 }
```

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

Passed all tests! ✓

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```
2 * Complete the 'pthFactor' function below.
3 *
4 * The function is expected to return a LONG_INTEGER.
5 * The function accepts following parameters:
6 * 1. LONG_INTEGER n
7 * 2. LONG_INTEGER p
8 */
9
10 long pthFactor(long n, long p)
11 {
12     int count=0;
13     for(long i=1;i<=n;++i)
14     {
15         if(n%i==0)
16         {
17             count++;
18             if(count==p)
19             {
20                 return i;
21             }
22         }
23     }
24     return 0;
25 }
26 }
```

	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! ✓