

sudhanshu r 240801340 week 12

Week 12 Coding: Attempt review | REC-CIS - Google Chrome

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=159529&mid=107

REC-CIS

```
2 * Complete the 'powerSum' function below.
3 *
4 * The function is expected to return an INTEGER.
5 * The function accepts following parameters:
6 * 1. INTEGER x
7 * 2. INTEGER n
8 */
9 #include<math.h>
10 int powerSum(int x, int m, int n)
11 {
12     int p=pow(m,n);
13     if(p==x){
14         return 1;
15     }
16     if(p>x){return 0;}
17     return powerSum(x-p,m+1,n)+powerSum(x,m+1,n);
18 }
```

	Test	Expected	Got	
✓	printf("%d", powerSum(10, 1, 2))	1	1	✓

Passed all tests! ✓

Finish review

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Search

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REC-CIS

```
8 int fourthBit(int number)
9 {
10     int binary[32];
11     int i=0;
12     while(number>0){
13         binary[i]=number%2;
14         number/=2;
15         i++;
16     }
17     if(i>4){
18         return binary[3];
19     }
20     else
21         return 0;
22 }
23 }
```

	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

Flag question

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.

Example

REC-CIS

```
8  */
9
10 long pthFactor(long n, long p)
11 {
12     int count=0;
13     for(long i=1;i<=n;i++){
14         if(n%i==0){
15             count++;
16             if(count==p){
17                 return i;
18             }
19         }
20     }
21     return 0;
22 }
23 }
```

	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! ✓

Finish review

REC-CIS

```
4  * The function is expected to return an INTEGER.  
5  * The function accepts INTEGER n as parameter.  
6  */  
7  
8  int myFunc(int n)  
9  {  
10     return n==1||n%10==0;  
11 }  
12
```

	Test	Expected	Got	
✓	printf("%d", myFunc(1))	1	1	✓
✓	printf("%d", myFunc(2))	0	0	✓
✓	printf("%d", myFunc(10))	1	1	✓
✓	printf("%d", myFunc(25))	0	0	✓
✓	printf("%d", myFunc(200))	1	1	✓

Passed all tests! ✓