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MADHUJA BA 2024-CSE M2

REC-CIS

Week-12-Recursive Functions

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Week-12-Coding: Attempt review | REC-CIS - Personal - Microsoft Edge

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REC-CIS

```
5  * The function accepts INTEGER n as parameter.
6  */
7
8  int myFunc(int n)
9  {
10     while(n>1){
11         if(n%20==0){
12             n/=20;
13         }
14         else if(n%10==0){
15             n/=10;
16         }
17         else{
18             return 0;
19         }
20     }
21     return(n==1) ? 1:0;
22 }
23
24
```

	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! ✓

REC-CIS

```
7  * 2. INTEGER n
8  */
9
10 int powerSum(int x, int m, int n)
11 {
12     if(x==0){
13         return 1;
14     }
15     if(x < 0){
16         return 0;
17     }
18     int count = 0;
19     for (int i = m; i*i<=x;i++){
20         int power = 1;
21         for(int j=0;j<n;j++){
22             power*=i;
23         }
24         count +=powerSum(x-power, i+1, n);
25     }
26     return count;
27 }
28 }
```

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

Passed all tests! ✓

[Finish review](#)