

Week 12

Answer: (penalty regime: 0 %)

Reset answer

```
1  /*
2   * Complete the 'myFunc' function below.
3   *
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! ✓

Sample Output 2

## Explanation 2

0 can be expressed as the sum of the cubes of 1, 2, 3, 4.

+ 8 + 27 + 64 = 100). There is no other way to express 100 as the sum of cubes.

Answer: (penalty regime: 0 %)

Reset answer

```
1 /*
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     {
15         return 1;
16     }
17     if(p>x)
18     {
19         return 0;
20     }
21     return powerSum(x-p,m+1,n) + powerSum(x,m+1,n);
22 }
```

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

Passed all tests! ✓