WEEK 12

```
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 shift=number>>3;
11     int fourth=shift & 1;
12     return fourth;
13 }
```

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

Passed all tests! ✓

```c
1  /*
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         if(n%i==0){
15             count++;
16             if(count==p){
17             return i;}
18         }
19     }
20     return 0;
21 }
```

	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! ✓