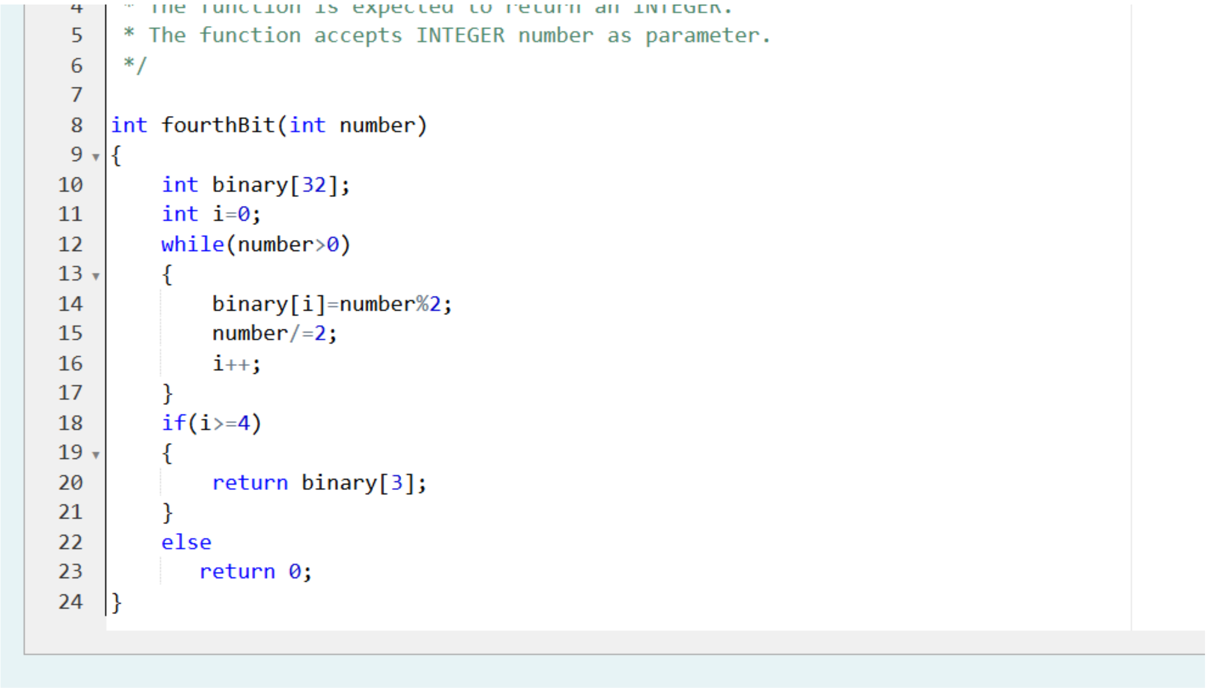
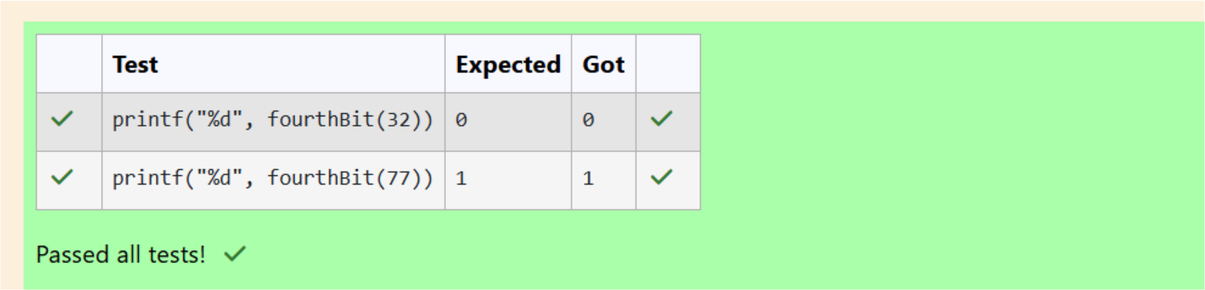
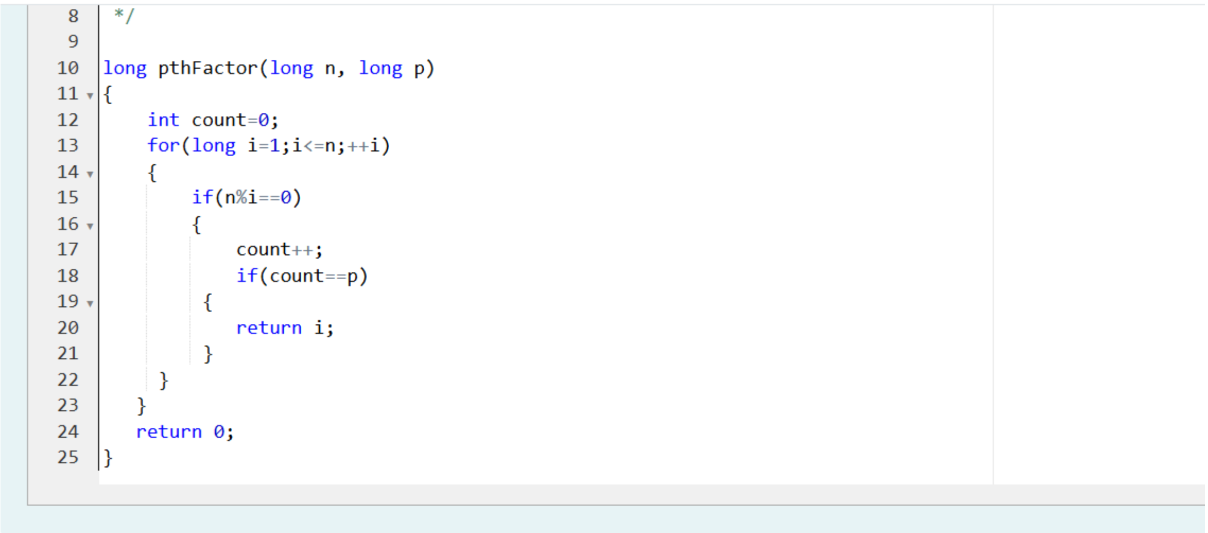


```
 * The function is expected to return an INTEGER.
 * The function accepts INTEGER number as parameter.
 */

int fourthBit(int number)
{
    int binary[32];
    int i=0;
    while(number>0)
    {
        binary[i]=number%2;
        number/=2;
        i++;
    }
    if(i>=4)
    {
        return binary[3];
    }
    else
       return 0;
}
```

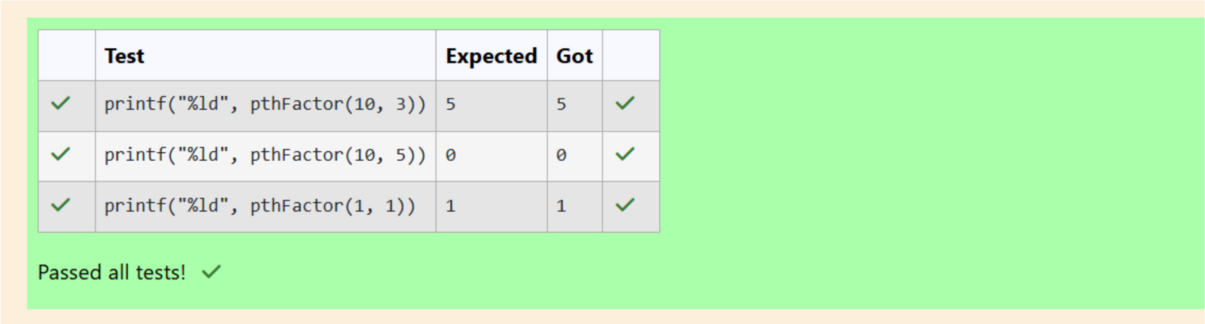


	Test	Expected	Got	
✓	printf("%d", fourthBit(32))	0	0	✓
✓	printf("%d", fourthBit(77))	1	1	✓

Passed all tests! ✓

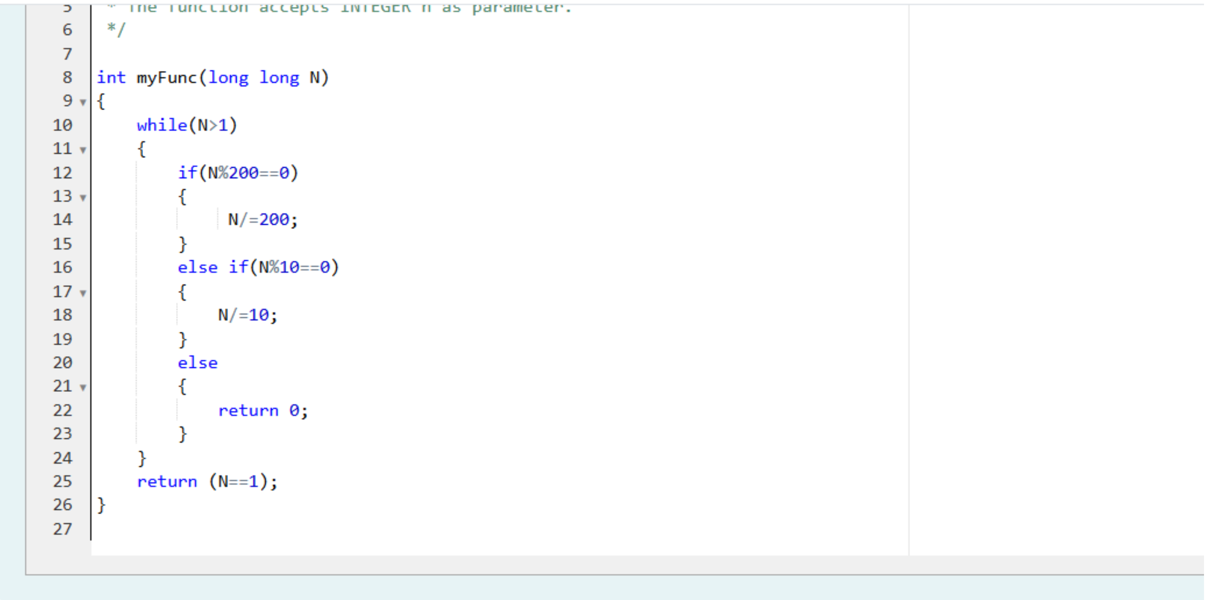


```
 */

long pthFactor(long n, long p)
{
    int count=0;
    for(long i=1;i<=n;++i)
    {
        if(n%i==0)
        {
            count++;
            if(count==p)
         {
            return i;
         }
     }
   }
   return 0;
}
```

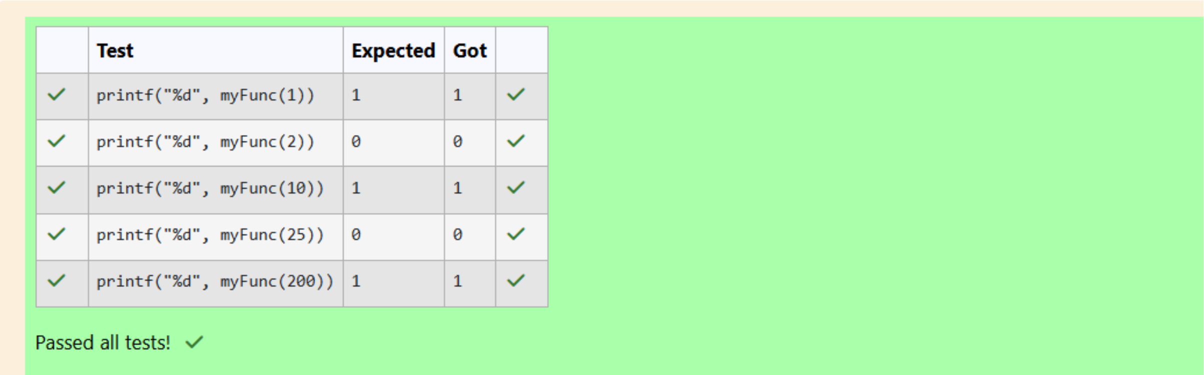


	Test	Expected	Got	
✓	`printf("%ld", pthFactor(10, 3))`	5	5	✓
✓	`printf("%ld", pthFactor(10, 5))`	0	0	✓
✓	`printf("%ld", pthFactor(1, 1))`	1	1	✓

Passed all tests! ✓

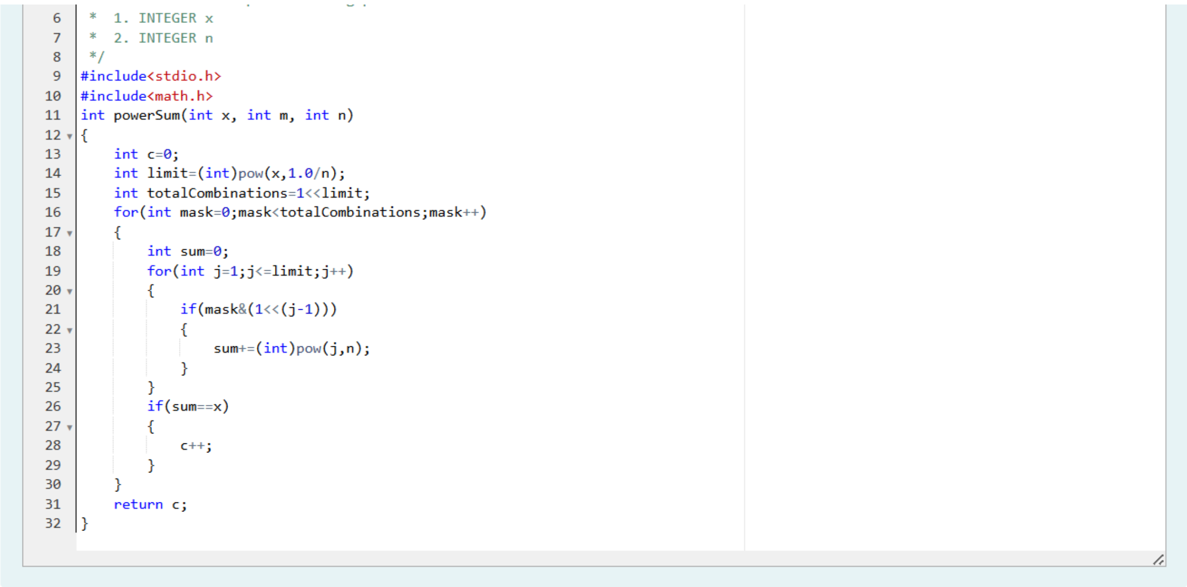


```c
 * The function accepts INTEGER n as parameter.
 */

int myFunc(long long N)
{
    while(N>1)
    {
        if(N%200==0)
        {
            N/=200;
        }
        else if(N%10==0)
        {
            N/=10;
        }
        else
        {
            return 0;
        }
    }
    return (N==1);
}

```

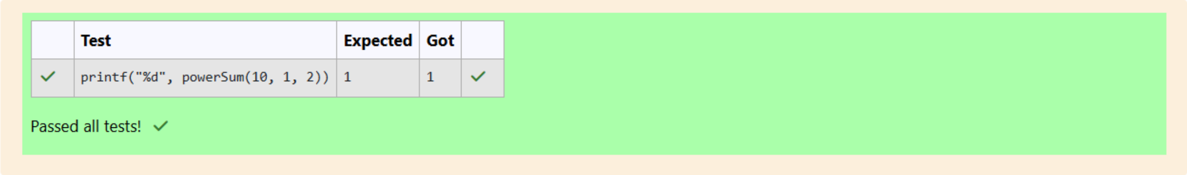


	Test	Expected	Got	
✓	printf("%d", myFunc(1))	1	1	✓
✓	printf("%d", myFunc(2))	0	0	✓
✓	printf("%d", myFunc(10))	1	1	✓
✓	printf("%d", myFunc(25))	0	0	✓
✓	printf("%d", myFunc(200))	1	1	✓

Passed all tests! ✓



```c
 *  1. INTEGER x
 *  2. INTEGER n
 */
#include<stdio.h>
#include<math.h>
int powerSum(int x, int m, int n)
{
    int c=0;
    int limit=(int)pow(x,1.0/n);
    int totalCombinations=1<<limit;
    for(int mask=0;mask<totalCombinations;mask++)
    {
        int sum=0;
        for(int j=1;j<=limit;j++)
        {
            if(mask&(1<<(j-1)))
            {
                sum+=(int)pow(j,n);
            }
        }
        if(sum==x)
        {
            c++;
        }
    }
    return c;
}
```



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

Passed all tests! ✓