MAGASHRI V 2024-CSE M2

Assessment-10-Character Arrays and Strings

Week-11-String Handling Functions

Coding ✓Done

Assessment-11-String Handling Functions

Week-12-User-Defined Functions

Coding ✓Done

Assessment-12-User-Defined Functions

Week-12-Recursive Functions

?attempt=137634&cmid=194

Answer: (penalty regime: 0 %)

Reset answer

```c
/*
 * Complete the 'fourthBit' function below.
 *
 * 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	✓

attempt=137634&cmid=194

```c
/*
 * Complete the 'pthFactor' function below.
 *
 * The function is expected to return a LONG_INTEGER.
 * The function accepts following parameters:
 *  1. LONG_INTEGER n
 *  2. LONG_INTEGER p
 */

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	✓