





< bitset1

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reverse bits >



You are working on problem set: Homework 2 (Pause)

✓ bittoggle ▽

Language/Type: C <u>bitwise operators bit</u>

algorithms bit manipulation

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2018/02/03)

Bit masks are an important part of coding bitwise operations. Often you might need to set or clear a particular bit in a mask, and the following functions accomplish that:

```
int bitset(int num, int pos)
{
    return num | (1 << pos);
}
int bitclear(int num, int pos)
{
    return num & (~(1 << pos));
}</pre>
```

Write a function named **bittoggle** that accepts two int arguments num and pos, and toggles the bit at the pos'th position of num, returning the result. For example, the call of bittoggle(22, 5) should return 54.

```
1 // bittoggle by Brandon Kmiec. Submitted for CSC 152 September 15, 2024
2 // function to toggle a specific bit
3
4 int bittoggle(int num, int pos) {
    return num ^ (1 << pos);</pre>
```

6 } // end bittoggle

Function: Write a C function as described, not a complete program.





Testing began at 2024/09/14 19:15 (PDT) and ran for 413 ms.

