

Online Assignment on Bitwise operations (A2)

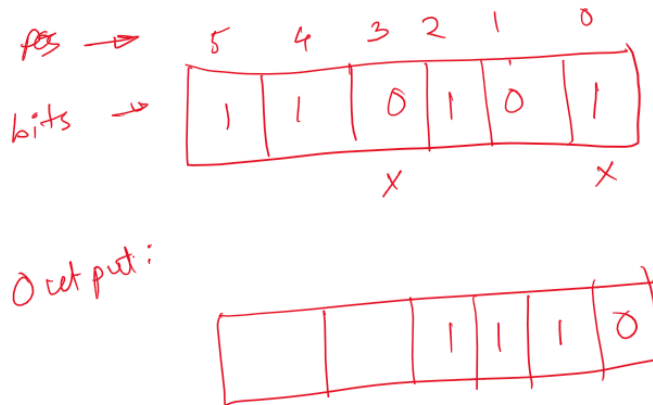
Solve the problem below. You have **20 minutes**. After you are done, rename the file containing your source code as your student ID (so, if your student ID is 2005001, the name of your file should be **2005001.c**). Then submit that file to Moodle. Make sure you submit a file containing the source code.

Failure to not follow these instructions will result in penalties.

Problem 1.

- Write a C program that takes an unsigned integer number as input, then removes the bits at positions that are **multiples of 3**. Output the decimal number.

Example:



Input	Output
53	14
73	0
3	1

N.B.

- ★ You *must* use *bitwise operators* to solve the problem.
- ★ You *can* assume that the provided input will *always* be valid.
- ★ *Do not assume the length of integer variables.*
- ★ *You cannot use array to solve the problem.*