## Palindrome

bool isPalindrome(string s){

int l=0, r=s.size()-1;

while(l<r){

if(s[l++]!=s[r--])

return false;

}

return true;

}

## Check bit of number is on or off

1) Let us take number 'NUM' and we want to check whether it's 0th bit is ON or OFF

bit = 2 ^ 0 (0th bit)

if NUM & bit == 1 means 0th bit is ON else 0th bit is OFF

2) Similarly if we want to check whether 5th bit is ON or OFF

bit = 2 ^ 5 (5th bit)

if NUM & bit == 1 means its 5th bit is ON else 5th bit is OFF.

## Integer to Binary

Recursive function:

void bin(unsigned n)

{

    /\* step 1 \*/

    if (n > 1)

        bin(n/2);

    /\* step 2 \*/

    cout << n % 2;

}