```python
def dec_to_bin(a):
    bin_a = str(a % 2)
    a = a//2
    while a > 0 :
        bin_a = str(a % 2) + bin_a
        a = a // 2
    return bin_a


assert dec_to_bin(83) == '1010011'
assert dec_to_bin(127) == '1111111'
```