**3.  Write a C Program to implement the Binary Reversal.**

#include<stdio.h>

unsigned int reverseBits(unsigned int n)

{

unsigned int rev = 0;

while (n > 0)

{

rev <<= 1;

if (n & 1 == 1)

rev ^= 1;

n >>= 1;

}

return rev;

}

int main()

{

unsigned int n;

printf("input: ");

scanf("%d",&n);

printf("output: %d\n", reverseBits(n));

return 0;

}

