**EXP 30 Convert Octal to Decimal**

#include<stdio.h>

#include<math.h>

int OctalToDecimal(int n) {

int p = 0, decimal = 0, r;

while(n>0){

// retrieving the right-most digit of n

r = n % 10;

// dividing n by 10 to remove the

// right-most digits since it is already

// scanned in previous step

n = n / 10;

decimal = decimal + r \* pow( 8 , p );

++p;

}

return decimal;

}

int main() {

int n, i, k;

printf("Enter Octal: ");

scanf("%d", &n);

printf("\nDecimal of Octal Number %d is : %d", n, OctalToDecimal(n));

return 0;

}

Output: