Convert Octal to Decimal

EXP NO 30

PROGRAM:

#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; }

INPUT & OUTPUT:

**RESULT:** Thus the program was executed successfully using DevC++.

