***EXERCISE 2***

1.Write a program to find the reverse of a given number using recursive

PROGRAM:

def reverse\_number(n, rev=0):

if n == 0: return rev else:

rev = rev \* 10 + n % 10 return reverse\_number(n // 10, rev) number = int(input(“enter the number”)) reversed\_number = reverse\_number(number) print("Reverse of", number, "is", reversed\_number)

INPUT: 

OUTPUT: 

TIME COMPLEXITY: O(log n)