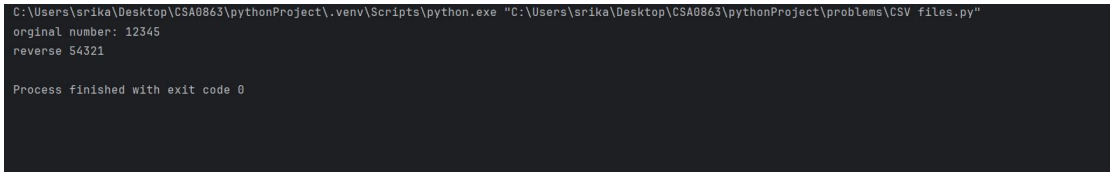
1. write a program to find the reverse of a given number using recursive.

Program:

```
def reverse_number(n):
    if n<10:
        return n
    else:
        last_digits=n%10
        remaining_digits=n//10
        return
last_digits*(10**len(str(remaining_digits)))+rev
erse_number(remaining_digits)
num=12345
print("orginal number:",num)
print("reverse",reverse_number(num))
```

Output:



Time complexity:O(log10(n))