

11.write a program to find the reverse of a given numbers using recursive.

```
def reverse_number(n,rev=0):
```

```
    if n==0:
```

```
        return rev
```

```
    else:
```

```
        return reverse_number(n//10,rev*10+n%10)
```

```
number=12345
```

```
revers_number=reverse_number(number)
```

```
print(revers_number)
```



```
54321
```

```
=== Code Execution Successful ===
```

output:

time complexity: $O(\log(n))$