8.write a program to generate all the prime reverse of a string using recursion

Program:-

```
def is_prime(n, i=2):
    if n <= 2:
        return True if n == 2 else False
    if n % i == 0:
        return False
    if i * i > n:
        return True
    return is_prime(n, i + 1)


def generate_primes(start, end):
    if start <= end:
        if is_prime(start):
            print(start)
        generate_primes(start + 1, end)


# Test the function
start_num = int(input("Enter the starting number: "))
```

```
end_num = int(input("Enter the ending number: "))
print("Prime numbers between", start_num, "and", end_num, "are:")
generate_primes(start_num, end_num)
```

output:-

```
Enter the starting number: 1234
Enter the ending number: 222
Prime numbers between 1234 and 222 are:

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

Time complexity:-O(n √n)