

Q.9) Write a Program to reverse the first and second half of a string separately.

```
def reverse_half(input_string):
```

```
    mid = len(input_string) // 2
```

```
    first_half = input_string[:mid]
    second_half = input_string[mid:]
```

```
    reversed_first_half = first_half[::-1]
    reversed_second_half = second_half[::-1]
```

```
    result = reversed_first_half + reversed_second_half
    return result
```

```
user_input = input("Enter a string: ")
```

```
new_string = reverse_half(user_input)
```

```
print("String after reversing first and second halves:", new_string)
```