K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

ACADEMIC SESSION 2025-26

Odd Semester

REVERSE A STRING USING STACK

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```python
def reverse_string_using_stack(s):
    stack = []

    # Push each character onto stack
    for char in s:
        stack.append(char)

    reversed_str = ""

    # Pop characters from stack
    while stack:
        reversed_str += stack.pop()

    return reversed_str


# Example
text = "hello"
print("Original:", text)
print("Reversed:", reverse_string_using_stack(text))
```