



**K.R. MANGALAM UNIVERSITY**  
THE COMPLETE WORLD OF EDUCATION

**ACADEMIC SESSION 2025-26**  
**Odd Semester**



**BROWSER HISTORY NAVIGATION SYSTEM**

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## **# Browser History Navigation using Stacks**

```
back_stack = []
```

```
forward_stack = []
```

```
current_page = "homepage.com"
```

```
while True:
```

```
    print("\nCurrent Page:", current_page)
```

```
    print("1. Visit New Page")
```

```
    print("2. Back")
```

```
    print("3. Forward")
```

```
    print("4. Exit")
```

```
    choice = int(input("Enter your choice: "))
```

```
# VISIT A NEW PAGE
```

```
if choice == 1:
```

```
    new_page = input("Enter URL: ")
```

```
    back_stack.append(current_page)    # push current page to  
back stack
```

```
    current_page = new_page           # change to new page
```

```
    forward_stack.clear()             # visiting new page clears  
forward history
```

```
# GO BACK
```

```
elif choice == 2:
```

```
    if not back_stack:
```

```
        print("No back history!")
```

```
    else:
        forward_stack.append(current_page) # push current page
to forward stack
        current_page = back_stack.pop()    # move to last page

# GO FORWARD
elif choice == 3:
    if not forward_stack:
        print("No forward history!")
    else:
        back_stack.append(current_page)
        current_page = forward_stack.pop()

# EXIT PROGRAM
elif choice == 4:
    print("Exiting Browser...")
    break

else:
    print("Invalid choice! Please try again.")
```