DESIGN ANALYSIS AND ALGORITHMS

HANDS ON-8

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OUTPUTS:

A.QUICKSORT

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Rashmitha Reddy\ & 'c:\Users\Rashmitha Reddy\AppData\Local\Programs\Python\Python38\python.ex
e' 'c:\Users\Rashmitha Reddy\.vscode\extensions\ms-python.debugpy-2024.10.0-win32-x64\bundled\libs\debugpy
\adapter/../.\debugpy\launcher' '51290' '--' 'c:\Users\Rashmitha Reddy\quicksort.py'

The 4th smallest element is: 23
PS C:\Users\Rashmitha Reddy>
```

B.STACK

```
## Stack = Stack(5) # Create a stack with a maximum of the stack push(7) | Stack = Stack (5) # Create a stack with a maximum of the stack push(7) | Stack = Stack push(7) | Stack push(7) | Stack = Stack push(7) | Stack push
```

C.QUEUE



D.LINKEDLIST

