

```
C:\Users\user\OneDrive\Desktop\Ashna_DS>gcc stack_operation.c
```

```
C:\Users\user\OneDrive\Desktop\Ashna_DS>.\a
```

```
Enter the number of stacks: 3
```

```
Enter the maximum size for each stack: 5
```

```
Stack Menu:
```

1. Push
2. Pop
3. Peek
4. Display Stack
5. Clear Console
6. Exit

```
Enter your choice (1-6): 1
```

```
Enter stack index (0 to 2): 0
```

```
Enter the item to push: 10
```

```
Pushed 10 onto stack 0.
```

```
Stack Menu:
```

1. Push
2. Pop
3. Peek
4. Display Stack
5. Clear Console
6. Exit

```
Enter your choice (1-6): 1
```

```
Enter stack index (0 to 2): 0
```

```
Enter the item to push: 20
```

```
Pushed 20 onto stack 0.
```

```
Stack Menu:
```

1. Push
2. Pop
3. Peek
4. Display Stack
5. Clear Console
6. Exit

```
Enter your choice (1-6): 4
```

```
Enter stack index (0 to 2): 0
```

```
Stack 0 contents:
```

```
20
```

```
10
```

Stack Menu:

1. Push
2. Pop
3. Peek
4. Display Stack
5. Clear Console
6. Exit

Enter your choice (1-6): 2

Enter stack index (0 to 2): 0

Popped 20 from stack 0.

Stack Menu:

1. Push
2. Pop
3. Peek
4. Display Stack
5. Clear Console
6. Exit

Enter your choice (1-6): 4

Enter stack index (0 to 2): 0

Stack 0 contents:

10

Stack Menu:

1. Push
2. Pop
3. Peek
4. Display Stack
5. Clear Console
6. Exit

Enter your choice (1-6): 5

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Stack Menu:

1. Push
2. Pop
3. Peek
4. Display Stack
5. Clear Console
6. Exit

Enter your choice (1-6): 6

Exiting the program.