```c
#include <stdio.h>
#define MAX 100

int stack1[MAX], stack2[MAX];
int top1 = -1, top2 = -1;

void insert(int value) {
    if (top1 == MAX - 1) {
        printf("Queue is full\n");
    } else {
        stack1[++top1] = value;
        printf("Value inserted is %d\n", value);
    }
}

int delete() {
    if (top1 == -1 && top2 == -1) {
        printf("Queue is empty\n");
        return -1;
    }

    if (top2 == -1) {
        while (top1 != -1) {
            stack2[++top2] = stack1[top1--];
        }
    }

    int value = stack2[top2--];
    printf("Deleted element is %d\n", value);
    return value;
}
```

```
void display() {
    if (top1 == -1 && top2 == -1) {
        printf("Queue is empty\n");
        return;
    }

    printf("Queue elements: ");


    for (int i = top2; i >= 0; i--) {
        printf("%d ", stack2[i]);
    }

    for (int i = 0; i <= top1; i++) {
        printf("%d ", stack1[i]);
    }

    printf("\n");
}
```

```c
int main() {
    int choice;
    int value;

    while (1) {
        printf("\nQueue using Stacks Menu:\n");
        printf("1. Insert\n");
        printf("2. Delete\n");
        printf("3. Display\n");
        printf("4. Exit\n");
        printf("Enter your choice:\n ");
        scanf("%d", &choice);

        switch (choice) {
            case 1:
                printf("Enter value to enqueue:\n ");
                scanf("%d", &value);
                insert(value);
                break;
            case 2:
                delete();
                break;
            case 3:
                display();
                break;
            case 4:
                printf("exiting the program");
                return 0;
            default:
                printf("Invalid choice\n");
        }
    }
    return 0;
}
```

```
Queue using Stacks Menu:
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice:
 1
Enter value to enqueue:
 8
Value inserted is 8

Queue using Stacks Menu:
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice:
 2
Deleted element is 9

Queue using Stacks Menu:
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice:
 3
Queue elements: 7 8

Queue using Stacks Menu:
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice:
 2
Deleted element is 7
```

```
Queue using Stacks Menu:
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice:
 1
Enter value to enqueue:
 9
Value inserted is 9

Queue using Stacks Menu:
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice:
 1
Enter value to enqueue:
 7
Value inserted is 7
```

```
Queue using Stacks Menu:
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice:
 2
Deleted element is 8

Queue using Stacks Menu:
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice:
 2
Queue is empty

Queue using Stacks Menu:
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice:
 4

Process returned 0 (0x0)   execution time : 18.712 s
Press any key to continue.
```