```c
#include <stdio.h>
#include <stdlib.h>

Void main() {
    Int arr[50], n = 0, choice, value, I, position;

    Printf("Enter the number of elements : ");
    Scanf("%d", &n);

    Printf("Enter %d elements:\n", n);
    For (I = 0; I < n; i++) {
        Scanf("%d", &arr[i]);
    }

    While (1) {
        Printf("\nArray Operations Menu:\n");
        Printf("1. Display Array\n");
        Printf("2. Insert at Beginning\n");
        Printf("3. Insert at Position\n");
        Printf("4. Insert at End\n");
        Printf("5. Delete at Beginning\n");
        Printf("6. Delete at Position\n");
        Printf("7. Delete at End\n");
        Printf("8. Exit\n");

        Printf("Enter your choice: ");
        Scanf("%d", &choice);

        Switch (choice) {
            Case 1:
                If (n == 0) {
                    Printf("Array is empty.\n");
                } else {
                    Printf("Current Array: ");
                    For (I = 0; I < n; i++) {
                        Printf("%d ", arr[i]);
                    }
                    Printf("\n");
                }
                Break;

            Case 2:
                If (n >= 50) {
                    Printf("Array is full. Cannot insert at the beginning.\n");
                } else {
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        Printf("Enter value to insert: ");
        Scanf("%d", &value);
        For (I = n; I > 0; i--) {
          Arr[i] = arr[I – 1];
        }
        Arr[0] = value;
        N++;
      }
    Break;

  Case 3:
    If (n >= 50) {
      Printf("Invalid position.\n");
    } else {
      Printf("Enter value to insert: ");
      Scanf("%d", &value);
      Printf("Enter position to insert: ", n);
      Scanf("%d", &position);
      If (position >= 0 && position <= n) {
        For (I = n; I > position; i--) {
          Arr[i] = arr[I – 1];
        }
        Arr[position] = value;
        N++;
      } else {
        Printf("Invalid position.\n");
      }
    }
    Break;

  Case 4:
    If (n >= 50) {
      Printf("Array is full. Cannot insert at the end.\n");
    } else {
      Printf("Enter value to insert: ");
      Scanf("%d", &value);
      Arr[n] = value;
      N++;
    }
    Break;

  Case 5:
    If (n > 0) {
      For (I = 0; I < n – 1; i++) {
        Arr[i] = arr[I + 1];
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        }
        n--;
      } else {
        Printf("Array is empty.\n");
      }
      Break;

    Case 6:
      Printf("Enter position to delete: ", n – 1);
      Scanf("%d", &position);
      If (position >= 0 && position < n) {
        For (I = position; I < n – 1; i++) {
          Arr[i] = arr[I + 1];
        }
        n--;
      } else {
        Printf("Invalid position.\n");
      }
      Break;

    Case 7:
      If (n > 0) {
        n--;
      } else {
        Printf("Array is empty.\n");
      }
      Break;

    Case 8:
      Exit(0);
      Break;

    Default:
      Printf("Invalid choice. Please enter valid option.\n");
    }
  }
}
```