```
1. C Program to insert a number at a given location in an array.
   #include <stdio.h>
   int main()
   {
           int array[10], position, i, n, value;
           printf("Enter number of elements in array\n");
           scanf("%d", &n);
           printf("Enter%d elements\n", n);
           for (i = 0; i < n; i++)
                   scanf("%d", &array[i]);
           printf("Enter the location where you wish to insert an element\n");
           scanf("%d", &position);
           printf("Enter the value to insert\n");
           scanf("%d", &value);
           for (i = n - 1; i >= position; i--)
                    array[i+1] = array[i];
           array[position] = value;
           printf("Resultant array is\n");
           for (i = 0; i \le n; i++)
                    printf("%d", array[i]);
           return 0;
    Enter 5 elements
    Enter the location where you wish to insert an element
    Enter the value to insert
    Resultant array is
    561789
2. C Program to insert a number in an array that is already sorted in ascending order.
   #include <stdio.h>
   int main()
   {
```

3. C Program to delete a number at a given location in an array. #include <stdio.h> int main() int array[10], position, i, n; printf("Enter number of elements in array\n"); scanf("%d", &n); printf("Enter%d elements\n", n); for (i = 0; i < n; i++)scanf("%d", &array[i]); printf("Enter the location where you wish to delete element\n"); scanf("%d", &position); if (position >= n+1) printf("Deletion not possible\n"); else { for (i = position; i < n - 1; i++)array[i] = array[i+1]; printf("Resultant array:\n"); for (i = 0; i < n - 1; i++)printf("%d\t", array[i]); } return 0; }

```
Enter number of elements in array

5
Enter 5 elements
5 6 7 8 9
Enter the location where you wish to delete element

2
Resultant array:
5 6 8 9
```