25 July

**C Program to insert an element in an array.**

#include <stdio.h>

int main()

{

int n;

printf("Enter the number of elements: ");

scanf("%d",&n);

int arr[n];

int i;

printf("Enter the elements:\n");

for(i = 0; i < n; i++)

{

scanf("%d",&arr[i]);

}

int pos;

printf("Enter the position to insert an element: ");

scanf("%d",&pos);

int ele;

printf("Enter the element: ");

scanf("%d",&ele);

if(pos > n)

printf("Invalid Input");

else

{

for (i = n - 1; i >= pos - 1; i--)

arr[i+1] = arr[i];

arr[pos-1] = ele;

printf("Array after insertion is:\n");

for (i = 0; i <= n; i++)

printf("%d\n", arr[i]);

}

return 0;

}