ARRAY OPERATIONS-INSERT

#include <stdio.h>

#include <stdlib.h>

int main()

{

int a[100];

int element,i,loc,size;

printf("Enter the size of an array\n");

scanf("%d",&size);

printf("Enter %d array elements\n",size);

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

{

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

}

printf("List before Insertion: ");

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

{

printf("%d ",a[i]);

}

printf("\nEnter an element to insert\n");

scanf("%d",&element);

printf("Enter a position to insert an element %d\n",element);

scanf("%d",&loc);

loc--;

for(i=size-1;i>=loc;i--)

{

a[i+1]=a[i];

}

a[loc]=element;

printf("\nList after Insertion: ");

for(i=0;i<size+1;i++)

{

printf("%d ",a[i]);

}

return 0;

}

OUTPUT:

