3)

#include <stdio.h>

int main()

{

int array[50], position, c, n, value;

printf("Enter number of elements in the array\n");

scanf("%d", &n);

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

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

scanf("%d", &array[c]);

printf("Please enter the location where you want to insert an new element\n");

scanf("%d", &position);

printf("Please enter the value\n");

scanf("%d", &value);

for (c = n - 1; c >= position - 1; c--)

array[c+1] = array[c];

array[position-1] = value;

printf("Resultant array is\n");

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

printf("%d\n", array[c]);

return 0;

}

