```
/*C Program to implement Insertion sort
Input  : 1. Size of the array
         2. Array elements
Output : Sorted array elements in ascending order
*/

#include <stdio.h>

int main()
{
  int n, array[100], c, d, temp;

  printf("\n Enter the size of the array\n");
  scanf("%d", &n);

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

  for (c = 0; c < n; c++) {
    scanf("%d", &array[c]);
  }

  for (c = 1 ; c <= n - 1; c++) {
    d = c;

    while ( d > 0 && array[d] < array[d-1]) {
      temp          = array[d];
      array[d]   = array[d-1];
      array[d-1] = temp;

      d--;
    }
```

```
  }

  printf("\n\n Sorted array in ascending order:\n\n");
  printf(" ");
  for (c = 0; c <= n - 1; c++) {
    printf("%d ", array[c]);
  }
  printf("\n\n");
  return 0;
}
```

Sample Input and Output:

```
Enter the size of the array
6

Enter  the array elements
14 88 24 32 6 10

Sorted array in ascending order:

6 10 14 24 32 88

Press any key to continue...
```