TDM-GCC 4.9.2 64-bit Release

(globals)

Project   Classes   Debug   [*] tree.cpp   hashing.cpp   [*] heap sorting.cpp   insertion sort..cpp

```c
#include <math.h>
#include <stdio.h>

void insertionSort(int arr[], int n)
{
    int i, key, j;
    for (i = 1; i < n; i++)
    {
        key = arr[i];
        j = i - 1;


        while (j >= 0 && arr[j] > key)
        {
            arr[j + 1] = arr[j];
            j = j - 1;
        }
        arr[j + 1] = key;
    }
}


void printArray(int arr[], int n)
{
    int i;
    for (i = 0; i < n; i++)
        printf("%d ", arr[i]);
    printf("\n");
}


int main()
{
    int arr[] = {12, 11, 13, 5, 6};
    int n = sizeof(arr) / sizeof(arr[0]);

    insertionSort(arr, n);
```

Line: 41   Col: 2   Sel: 0   Lines: 41   Length: 674   Insert   Done parsing in 0.015 seconds

ENG
IN

18:04
28-09-2022

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug   [*] tree.cpp   hashing.cpp   [*] heap sorting.cpp   insertion sort..cpp

```cpp
    {
        int i, key, j;
        for (i = 1; i < n; i++)
        {
            key = arr[i];
            j = i - 1;


            while (j >= 0 && arr[j] > key)
            {
                arr[j + 1] = arr[j];
                j = j - 1;
            }
            arr[j + 1] = key;
        }
    }


void printArray(int arr[], int n)
{
    int i;
    for (i = 0; i < n; i++)
        printf("%d ", arr[i]);
    printf("\n");
}


int main()
{
    int arr[] = {12, 11, 13, 5, 6};
    int n = sizeof(arr) / sizeof(arr[0]);

    insertionSort(arr, n);
    printArray(arr, n);

    return 0;
}
```

Line: 41   Col: 2   Sel: 0   Lines: 41   Length: 674   Insert   Done parsing in 0.015 seconds

```
C:\Users\Dell\Documents\quea operation.exe

Queue using Array
1.Insertion
2.Deletion
3.Display
4.Exit
Enter the Choice:6
Wrong Choice: please see the options
Enter the Choice:
```