

```
#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;
```

```
    }
```

```
}
```

```
{
```

```
    int i;
```

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

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

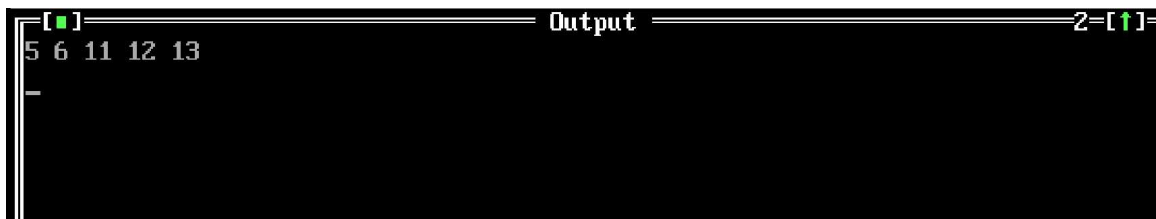
```
    printf("\n");
```

```
}
```

```
int main()
```

```
{
```

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



The screenshot shows a terminal window with a black background and white text. The title bar of the window reads "[] Output []". The first line of output is "5 6 11 12 13". The second line is a single hyphen "-" followed by a space. The terminal window has a standard Linux-style title bar with a green icon on the left and a red icon on the right.