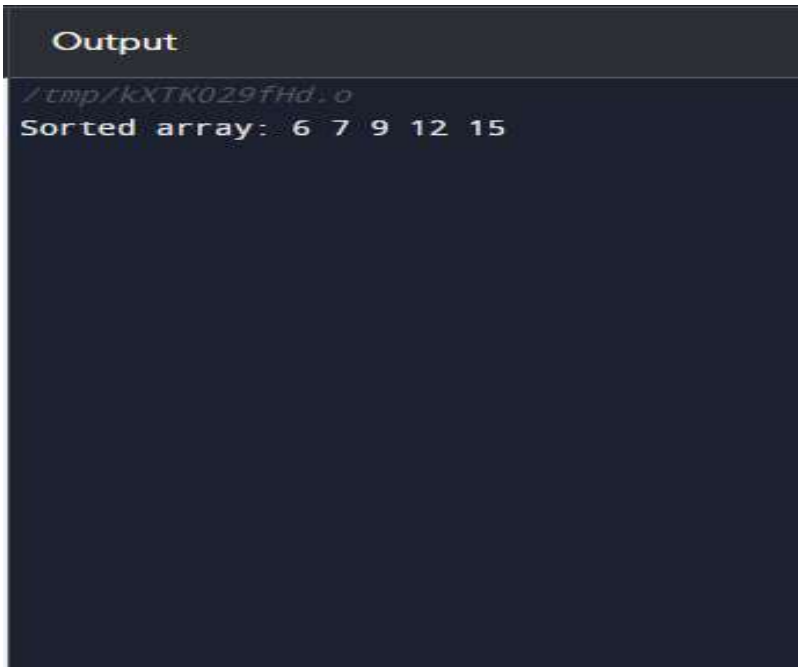
INSERTION SORT

CODE:

```
#include <bits/stdc++.h>
using namespace std;

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;
	}
}


// Driver code
int main()
{
	int n;
	cout<<”Enter number of elements: ”;
	cin>>n;
	int arr[n];
	for (int i=0; i<n; i++){
	cout<<”Enter element: ”;
	cin>>arr[i];
}
	cout << "Sorted array: \n";
	insertionSort(arr,n);{
		int i;

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

		cout << arr[i] << " ";

		cout << endl; }
}
	return 0;
}
```

OUTPUT:


Output
/tmp/kXTK029fHd.o
Sorted array: 6 7 9 12 15