

## Program:

```
#include <bits/stdc++.h>
```

```
using namespace std;
```

```
void selectionSort(int arr[], int n)
```

```
{
```

```
    int i, j, temp, minn;
```

```
    for (i = 0; i < n - 1; i++) {
```

```
        minn = i;
```

```
        for (j = i + 1; j < n; j++) {
```

```
            if (arr[j] < arr[minn])
```

```
                minn=j;
```

```
        }
```

```
        if (minn != i)
```

```
            swap(arr[minn], arr[i]);
```

```
    }
```

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

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

```
        cout << endl;
```

```
    }
```

```
}
```

```
int main()
```

```
{  
    int arr[] = {1, 64, 25, 22,0,8};  
    int n = 6;  
    selectionSort(arr, n);  
  
    return 0;  
}
```

Output:

```
/tmp/8SJnPikLC5.o
```

```
0
```

```
1
```

```
8
```

```
22
```

```
25
```

```
64
```

```
|
```