Exercise 13:

   To construct a cpp program for sorting the numbers using templates concept.

Source Code:

```cpp
#include<iostream>

using namespace std;

template<class T>

void bubble(T a[], int n)

{

int i, j;

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

{

for(j=0;j<n-1;j++)

{

if(a[j]>a[j+1])

{

T temp;

temp = a[j];

a[j] = a[j+1];

a[j+1] = temp;

}

}

}

}

int main()

{

int a[6]={17,16,15,14,9,-1};

char b[4]={'z','b','x','a'};

bubble(a,6);

cout<<"\nSorted Order Integers: ";

for(int i=0;i<6;i++)

cout<<a[i]<<"\t";
```

```
bubble(b,4);

cout<<"\nSorted Order Characters: ";

for(int j=0;j<4;j++)

cout<<b[j]<<"\t";

}
```

OUTPUT:

Sorted Order Integers: -1   9   14   15   16   17

Sorted Order Characters: a   b   x   z