Array C++ class

```
#include <iostream>
using namespace std;
template<class T>
class Array
{
private:
    T *A;
    int size;
    int length;
public:
    Array()
    {
        size=10;
        A=new T[10];
        length=0;
    Array(int sz)
        size=sz;
        length=0;
        A=new T[size];
    ~Array()
    {
        delete []A;
    void Display();
    void Insert(int index,T x);
    T Delete(int index);
};
template<class T>
void Array<T>::Display()
{
    for(int i=0;i<length;i++)</pre>
        cout<<A[i]<<" ";
    cout<<endl;
}
template<class T>
void Array<T>::Insert(int index,T x)
{
    if(index>=0 && index<=length)</pre>
    {
        for(int i=length-1;i>=index;i--)
```

```
A[i+1]=A[i];
          A[index]=x;
          length++;
     }
}
template<class T>
T Array<T>::Delete(int index)
{
     T x=0;
     if(index>=0 && index<length)</pre>
     {
          x=A[index];
          for(int i=index;i<length-1;i++)</pre>
              A[i]=A[i+1];
          length--;
     }
     return x;
}
int main()
{
     Array<char> arr(10);
    arr.Insert(0,'a');
arr.Insert(1,'c');
arr.Insert(2,'d');
     arr.Display();
     cout<<arr.Delete(0)<<endl;</pre>
     arr.Display();
     return 0;
}
```