CSCE240 Spring 2017: Worksheet 1   30 January 2017

Write the Output for these pieces of code. Assume all proper libraries have already been included.

```cpp
int a[] = {0,1,2,3,4};
int * b = new int[5];
for (int i = 0; i < 5; i++) {
    b[i] = a[i];
    cout << b[i] << endl;
}
delete [] b;
```

```cpp
char a[] = "Hello";
char b[] = {'h','i','\0'};

char * c;
cout << a << " " << b << endl;

cout << strlen(a) << " " << strlen(b)
<< endl;
c = new char[strlen(a)];
strcpy(c, a);
cout << strcmp(a, c) << endl;
```

```cpp
int a[10];
int a_size = 10;
int * b;
for (int i = 0; i < a_size; i++) {
    a[i] = i;
}
b = &a[0];
for (int i = 0; i < a_size; i++) {
    cout << *b++ << " " << a[i] <<
endl;
}
```

Write C++ Code that will take the contents of array b and concatenate it to the end of array a:

```cpp
int a[] = {0,1,2,3,4};
int b[] = {5,6,7,8,9};
int * c;

//Write code here.
//Don't forget to print out the array from pointer c
```