```
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Programme :- BSCS 3-1
                             Assignment #1
Q1
#include <iostream>
using namespace std;
int main() {
  int ages[10];
  int largest;
  cout << "Enter the ages of 10 students:" << endl;</pre>
  for (int i = 0; i < 10; i++) {
     cout << "Student [" << i + 1 << "]: ";
     cin >> ages[i];
  }
  largest = ages[0];
  for (int i = 1; i < 10; i++) {
     if (ages[i] > largest) {
```

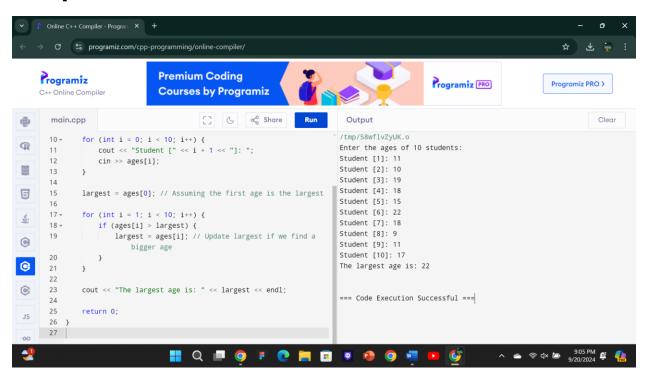
```
largest = ages[i];
}
```

cout << "The largest age is: " << largest << endl;</pre>

return 0;

}

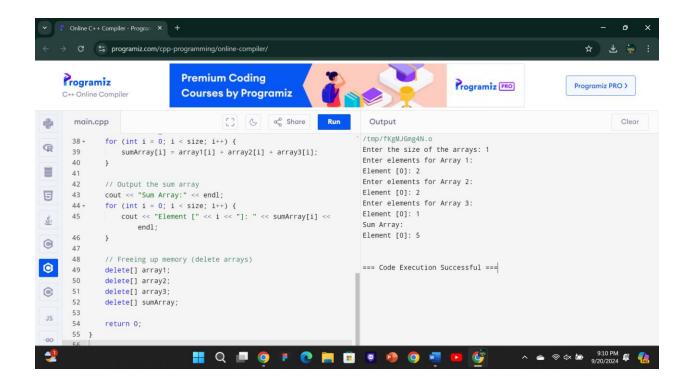
// output



```
#include <iostream>
using namespace std;
int main() {
  int size;
  cout << "Enter the size of the arrays: ";
  cin >> size;
  int* array1 = new int[size];
  int* array2 = new int[size];
  int* array3 = new int[size];
  int* sumArray = new int[size];
  cout << "Enter elements for Array 1:" << endl;</pre>
  for (int i = 0; i < size; i++) {
     cout << "Element [" << i << "]: ";
     cin >> array1[i];
  }
  cout << "Enter elements for Array 2:" << endl;</pre>
  for (int i = 0; i < size; i++) {
     cout << "Element [" << i << "]: ";
     cin >> array2[i];
  }
```

```
cout << "Enter elements for Array 3:" << endl;</pre>
for (int i = 0; i < size; i++) {
   cout << "Element [" << i << "]: ";
   cin >> array3[i];
}
for (int i = 0; i < size; i++) {
   sumArray[i] = array1[i] + array2[i] + array3[i];
}
cout << "Sum Array:" << endl;</pre>
for (int i = 0; i < size; i++) {
   cout << "Element [" << i << "]: " << sumArray[i] << endl;</pre>
}
delete[] array1;
delete[] array2;
delete[] array3;
delete[] sumArray;
return 0;
```

}



Q3 #include <iostream> using namespace std;

int main() {

```
int size;
cout << "Enter the size of the array: ";
cin >> size;
```

int* array = new int[size]; // Creating the array
cout << "Enter elements of the array:" << endl;</pre>

```
for (int i = 0; i < size; i++) {
   cout << "Element [" << i << "]: ";
  cin >> array[i];
}
int item;
cout << "Enter the item to search for: ";</pre>
cin >> item;
bool found = false;
for (int i = 0; i < size; i++) {
   if (array[i] == item) {
     found = true;
     cout << "Item found at index: " << i << endl;</pre>
     break;
  }
}
if (!found) {
   cout << "Item not found in the array." << endl;</pre>
}
delete[] array;
return 0;
```

}

