WEEK 10 ASSIGNMENT

1. Source code:

```
#include <iostream>
```

```
int x;
cout << "Input the Student ID!";
cin >> x;
binarySearch(id, name, score, x, arraySize);
}
```

Screenshot:

Input the Student ID!404342

ID : 404342

Name : Irwinn Bussey

Score : 81

Input the Student ID!492162

Data not found

Process finished with exit code 0

2. Source code:

```
#include <iostream>
using namespace std;
int greaterThan(int arr[], int x) {
    int countr = 0;
    for (int i=0; i<20; i++) {
        if (arr[i] > x) {
            countr++;
        }
    }
    return countr;
}

int main() {
    int data[20] = {10, 25, 44, 50, 41, 42, 49, 10, 15, 38, 7, 45, 12, 15, 41, 48, 40, 44, 22, 39};
    int x;
    cout << "Input a number!";
    cin >> x;
    int result = greaterThan(data, x);
    cout << "There are " << result << " data which greater than" << x;
}</pre>
```

Screenshot:

```
Input a number! 25
There are 12 data which greater than 25
Process finished with exit code 0
```

3. Source code:

```
void sortArray(int arr[], int n){
```

Screenshot:

Input a number! 25
There are 12 data which greater than 25
Process finished with exit code 0