

### **Problem**

Problem : Create a program to determine the largest number among three numbers the user input.

### **Explanation**

First, we initialize the essential variables to store the data values, then we start with output questions for the user to input their desired number. After that, we check if the number inputted by the user is the largest number among the numbers that the user has inputted. If yes, we can set the value of the largest number to the number that the user inputted. At the end, the program will output the largest number out of the three numbers that the user inputted.

### **Benefit**

By using this program, users would be able to find and determine the largest number from a set of three numbers up to the user's desire (could be upgraded to more than three numbers). This program would benefit them by determining larger numbers more effectively, efficiently and accurately.

### **The Code Explained**

```
#include <iostream>
using namespace std;

int main() {
    // variables
    int num, high, i; ⇒ initialize integers to store the values of high=largest number,
    num=inputted number, i=loop

    // input
    for (i=0; i < 3; i++) { ⇒ create a for loop to repeat the input process 3x
        cout << "Enter a number : "; ⇒ output question for the user to input a number
        cin >> num; ⇒ store the user's input of number to an integer called "num"

    // check
    if (num > high) { ⇒ check if the value of the number inputted is higher than the largest
number
        high = num; ⇒ change the value of the largest number to the number inputted
    }
    }

    // output
    cout << "The largest number is : " << high; ⇒ output the largest

    return 0;
}
```