# CCC Programming Input

## BCSS STEM Club Programming – Jan 7, 2024

- ❑ Please remember to bring in your permission for the CCC. Next meeting we need to start with the on-line grader and I need your parent's permission to sign you up for it.
- ❑ Next meetings: Feb 4 (Topic: Online grader), Feb 11 (Topic: Junior Question 2), Feb 18 (Topic: Junior Quesiton 3). Contest Feb 19 (Afternoon, in library).

**Online Java Compiler**: Programiz

- Sadly, Ready to Program can't do scanners. The contest requires scanner input, so try this instead: https://www.programiz.com/java-programming/online-compiler/

**Solutions:**

- Selected solutions may be found at this website from Milliken Mills High School: https://cccsolutions.ca/solutions

## Scanners

Scanners are like the IO file. They are used to get input.

**Scanner Starter Code:**

```
import java.util.Scanner;
public class Main
{
   public static void main(String[] args)
   {
       Scanner sc = new Scanner(System.in);
       // Put Your Code Here
   }
}
```

**Scanner Input For Integers:**

```
int N = sc.nextInt();
```

**Scanner Input for Strings:**

```
String S = sc.next();
```

# Example Problem (Junior 1)

**Problem Description:**

There is a new conveyor belt sushi restaurant in town. Plates of sushi travel around the restaurant on a raised conveyor belt and customers choose what to eat by removing plates. Each red plate of sushi costs $3, each green plate of sushi costs $4, and each blue plate of sushi costs $5. Your job is to determine the cost of a meal, given the number of plates of each colour chosen by a customer.

**Input Specification:**

The first line of input contains a non-negative integer, R, representing the number of red plates chosen. The second line contains a non-negative integer, G, representing the number of green plates chosen. The third line contains a non-negative integer, B, representing the number of blue plates chosen.

**Output Specification :**

Output the non-negative integer, C, which is the cost of the meal in dollars.

**Sample Input:**

0
2
4

**Output for Sample Input**

28

**Explanation of Output for Sample Input:**

This customer chose 0 red plates, 2 green plates, and 4 blue plates. Therefore, the cost of the meal in dollars is $0 \times 3+2 \times 4+4 \times 5 = 28$.

**Answer:**

```
import java.util.Scanner;     //importing Scanner package
public class Main
{
      public static void main(String args[])
      {
            Scanner sc = new Scanner(System.in);

            int R = sc.nextInt();     // input for number of Red plates
            int G = sc.nextInt();    // input number of Green plates
            int B = sc.nextInt();    // input number of Blue plates

            sc.close();           // Not mandatory

            int output = R*3 + G*4 + B*5;   // calculate amount
            System.out.println(output);      //print amount
      }
}
// P.S. make sure to only print what is asked
//      and not anything additional like "Output is:"
```