



Continuous Assignment Question -6

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Question Set-ODD

Sandbox Link:-

<https://codehs.com/sandbox/id/reg-no-12204834-R1uV7d>

Q-Ravi is at the shop where he has ordered N Coke. After seeing his love with the Coke, shopkeeper has decided to make as much money as they can by asking Ravi to pay $K * i^3$ Rupees for the ith Coke. But Ravi has only M Rupees in his purse. So, you are required to lent him some money so that he can still be able to pay for all of the N Coke. Input: 2 2 10 Output: 8

Code

```
import java.util.Scanner;

public class MyProgram
{
    public static void main(String[] args)
    {
        Scanner scanner=new Scanner(System.in);
        int n=scanner.nextInt();
        int k=scanner.nextInt();
        int m=scanner.nextInt();
        int totalPrice=0;
        for(int i=1;i<=n;i++){
```

```

        totalPrice +=k*i*3;
    }

    int borrowAmount=totalPrice-m;

    System.out.println(borrowAmount);

}

}

```

Output

The screenshot shows a web-based IDE interface for CodeSandbox. The browser address bar displays the URL: <https://codesandbox.com/sandbox/id/reg-no-12204834-R1uV7d?filepath=MyProgram.java>. The IDE has a top navigation bar with 'Sandbox', 'My Section', and 'Practice' tabs. On the right, there are icons for a plus sign, 'Resume', and a user profile for 'Ankush Kumar'. The main workspace is divided into three panels. The left panel shows a file explorer with 'MyProgram.java'. The center panel displays the code for 'MyProgram.java' with line numbers 1 through 17. The code is as follows:

```

1- import java.util.Scanner;
2- public class MyProgram
3- {
4-     public static void main(String[] args)
5-     {
6-         Scanner scanner=new Scanner(System.in);
7-         int n=scanner.nextInt();
8-         int k=scanner.nextInt();
9-         int m=scanner.nextInt();
10-         int totalPrice=0;
11-         for(int i=1;i<=n;i++){
12-             totalPrice +=k*i*3;
13-         }
14-         int borrowAmount=totalPrice-m;
15-         System.out.println(borrowAmount);
16-     }
17- }

```

The right panel shows the 'Output' tab with a 'Run' button (green) and a 'Stop' button (red). Below the buttons, the output text is displayed:

```

1
2
3
Creating a server...
Connecting to your server...
Connected.

```