

```
1
2 // Create a program to calculate and output your final
  grade in PROG1400.
3 //
4 // The program should use primitive variable types only (e
  .g. no arrays, etc.).
5 // The values of each assignment should be stored as
  constants and
6 // can be set to any reasonable value (since you don't
  have those grades yet).
7 //
8 // You can ignore the optional assignment at the end of
  the course.
9
10 public class Assignment1a {
11
12     public static void main(String[] args) {
13
14         //declaring variables
15         int firstNum = 0;
16         int secondNum = 1;
17         int maxNumbers = 20;
18         int outputNum;
19         int i;
20
21         //printing the first number
22         System.out.print(secondNum + " ");
23
24         //using a loop to print out the numbers
25         for (i = 2; i <= maxNumbers; ++i) {
26             outputNum = firstNum + secondNum;
27             System.out.print(outputNum + " ");
28             firstNum = secondNum;
29             secondNum = outputNum;
30
31         }
32
33
34     }
35
36 }
```