

```

1  /*
2
3  Jared Dyreson
4  CPPToJava.java -> Translate Lab 01 C++ code into Java
5  CWID: 889546529

```

```

6
7  */

```

```

8
9  import java.util.Scanner;
10 public class CPPToJava{
11     public static void main(String args[]){

```

```

12
13         // instantiate standard input
14         Scanner stdin = new Scanner(System.in);
15         // prompt for user to put their information into
16         System.out.print("Enter a year: ");
17         // capture user input
18         int year = stdin.nextInt();

```

```

19
20         // since the conditionals provided ask if the year is fully divisible by 4, 100, 400, we can just make this all one initial conditional statement
21         if((year % 4 == 0) && (year % 100 == 0) && (year % 400 == 0)){
22             System.out.println(year + " is a leap year");
23         }
24         else{
25             // print if condition fails
26             System.out.println(year + " is not a leap year");

```

```

27 • Less than: a < b
28 • Less than or equal to: a <= b
29 • Greater than: a > b
30 • Greater than or equal to: a >= b

```

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4  CPPToJava.java -> Translate Lab 01 C++ code into Java
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6
7  */
8
9  import java.util.Scanner;
10 public class CPPToJava{
11     public static void main(String args[]){
12
13         // instantiate standard input
14         Scanner stdin = new Scanner(System.in);
15         // prompt for user to put their information into
16         System.out.print("Enter a year: ");
17         // capture user input
18         int year = stdin.nextInt();
19
20         // since the conditionals provided ask if the year is fully divisible by 4, 100, 400, we can just make this all one initial conditional statement
21         if((year % 4 == 0) || (year % 100 == 0) || (year % 400 == 0)){
22             System.out.println(year + " is a leap year");
23         }
24         else{
25             // print if condition fails
26             System.out.println(year + " is not a leap year");
27         }
28     }
29 }
30 }
```

```
1  /*
2
3  Jared Dyreson
4  CWID: 889546529
5  MailingAddress.java -> string catentation program based on user input. Prints their current address
6
7  */
8  import java.util.Scanner;
9
10 public class MailingAddress{
11
12     public static void main(String args[]){
13
14         // instantiate standard input
15         Scanner stdin = new Scanner(System.in);
16
17         // street prompt
18         System.out.println("Street: ");
19         // capture street input
20         String street_address = stdin.nextLine();
21         // housing number prompt
22         System.out.println("House or apartment number: ");
23         // capture housing number
24         int housing_number = stdin.nextInt();
25         // clear buffer
26         stdin.nextLine();
27         // city prompt
28         System.out.println("City: ");
29         // capture city input
30         String city = stdin.nextLine();
31         // zip code prompt
32         System.out.println("Zip code: ");
33         // capture zip code
34         int zip_code = stdin.nextInt();
35         // clear buffer
36         stdin.nextLine();
37         // state abbreviation prompt
38         System.out.println("State abbreviation: ");
39         // capture state abbreviation
40         String state_abbrv = stdin.nextLine();
41
42         // print all the information out using string "addition"/catenation
43         System.out.println(housing_number + " " + street_address + ", " + " " + city + " " + state_abbrv + " " + zip_code);
44     }
45 }
```