Name:	Ryan Izac Eudrik B. Gonda	Section	11-PROG- 1
QR Code:		Date	February 27, 2023

JAVA PROGRAMMING
ACTIVITY 3.2

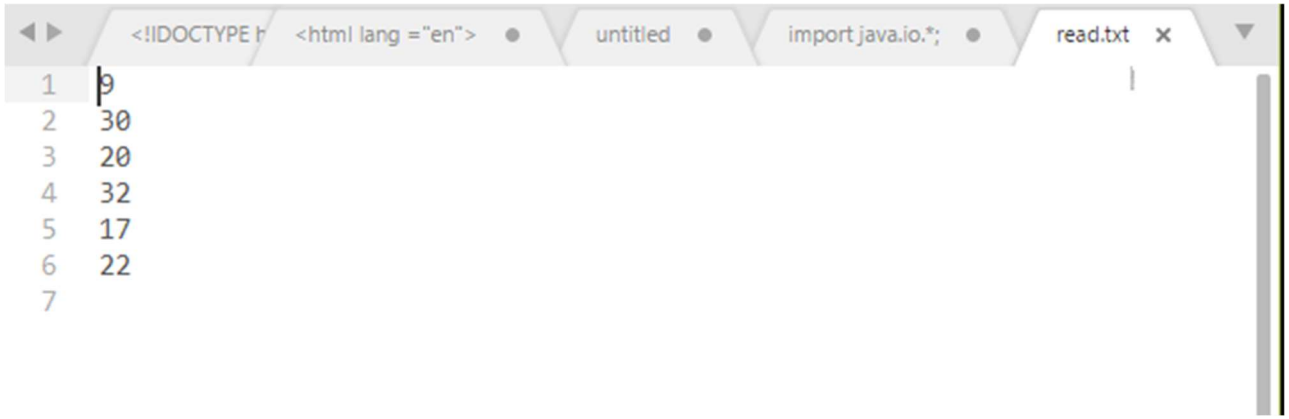
Source code:

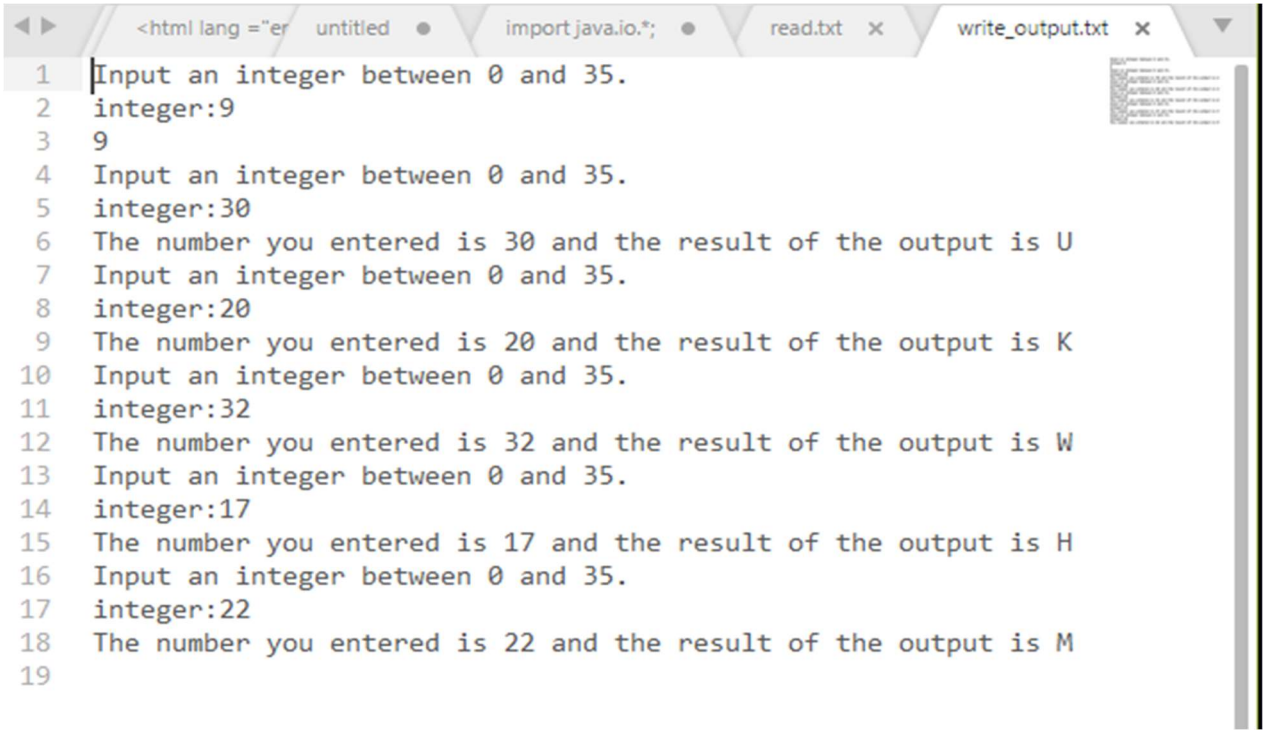
```
import java.io.File;
import java.io.FileWriter;
import java.io.IOException;
import java.io.PrintWriter;
import java.util.Scanner;


/* Some Info :

 -This Java program reads data from a file named "read.txt", processes the input data,
   and writes the output to a file named "write_output.txt". The program prompts the user
   to input an integer between 0 and 35, and then it reads each line of the "read.txt" file to obtain the input data.


 -If the integer is less than or equal to 9, the program prints the integer to the console.
 So, if the integer is greater than 9, the program prints a message that includes the original
 integer and its corresponding alphabetical value in base 36. The program also writes the input
 and output data to the "write_output.txt" file.
```

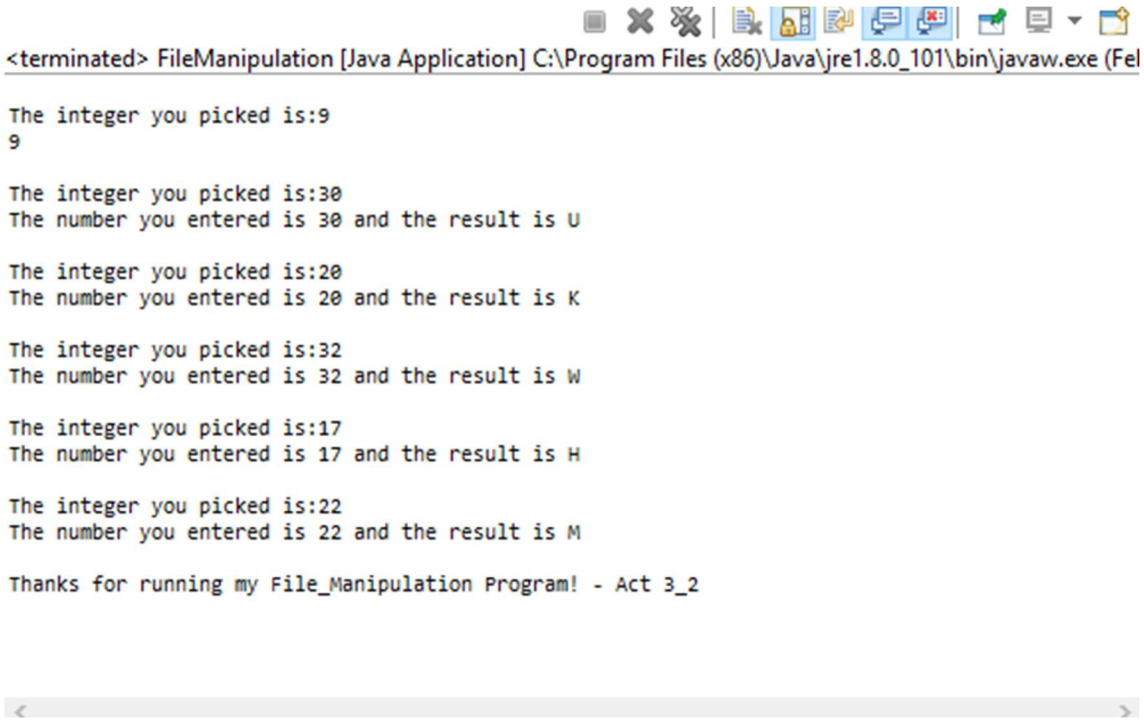
```
 */


public class FileManipulation {

	public static void main(String[] args) throws IOException {
		Scanner input = new Scanner (System.in);

			File myFile = new File("read.txt");
			Scanner inputFile = new Scanner (myFile);

			FileWriter fWriter = new FileWriter("write_output.txt");
			PrintWriter  outputFile = new PrintWriter(fWriter);


			int integer = 0,ctr = 1;
			int num;



		while (inputFile.hasNext()){

			String line;
			line = inputFile.nextLine();


			outputFile.println("Input an integer between 0 and 35.");

		  String token[] = line.split(" ");


		  System.out.println("\nThe integer you picked is:"+ token[0]);

		  int integer1 = Integer.parseInt(token[0]);


			if(integer1 <= 9){
					System.out.println(integer1);
				}
```

```
                        else{

                                System.out.println("The number you entered is "+ integer1 +" "+ "and the result is
"+(char)(integer1 + 55));


                        }
                outputFile.println("integer:"+ token[0]);
                if(integer1 <= 9){
                   outputFile.println(integer1);
                        }
                        else{

                                outputFile.println("The number you entered is "+ integer1 +" "+ "and the result of the output
is "+(char)(integer1 + 55));




                  }
      }
            System.out.println("\nThanks for running my File_Manipulation Program! - Act 3_2");
                        outputFile.close();
}

}
```

Output:


9
30
20
32
17
22


Input an integer between 0 and 35.
integer:9
9
Input an integer between 0 and 35.
integer:30
The number you entered is 30 and the result of the output is U
Input an integer between 0 and 35.
integer:20
The number you entered is 20 and the result of the output is K
Input an integer between 0 and 35.
integer:32
The number you entered is 32 and the result of the output is W
Input an integer between 0 and 35.
integer:17
The number you entered is 17 and the result of the output is H
Input an integer between 0 and 35.
integer:22
The number you entered is 22 and the result of the output is M


<terminated> FileManipulation [Java Application] C:\Program Files (x86)\Java\jre1.8.0_101\bin\javaw.exe (Fel
The integer you picked is:9
9
The integer you picked is:30
The number you entered is 30 and the result is U
The integer you picked is:20
The number you entered is 20 and the result is K
The integer you picked is:32
The number you entered is 32 and the result is W
The integer you picked is:17
The number you entered is 17 and the result is H
The integer you picked is:22
The number you entered is 22 and the result is M
Thanks for running my File_Manipulation Program! - Act 3_2