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Intermediate Java
Week 7 practice problems

I tested the program twice. Both times 150 randomly generated numbers were printed to the terminal output, and 150 numbers were written to the csv file, just as anticipated. The numbers were unique and randomly generated just as the instructions specify.

```java
  6     public class LicensePlatesSimulator {

 58
        Run | Debug
 59     public static void main(String[] args) throws IOException{
 60         String path = "src//java111//week7//license_plates.txt";
 61         //step-1: create a Random object as a random number generator
 62         Random rNumberGenerator = new Random();
 63         ArrayList<String> plates = getRandomPlates(rNumberGenerator, numR:100);
 64         //this loads all the data from the csv file into the plates array
 65         loadData(path);
 66         //this adds another 50 plates to the array
 67         plates.addAll(getRandomPlates(rNumberGenerator, numR:50));
 68         plates.forEach((p) -> System.out.println(p));
 69         plates.forEach((p) -> writeCsv(path, p + "\n"));
 70         System.out.println("Data is saved to " + (new File(path)).getAbsolutePath() );
 71
 72     }
 73     /**
 74      * getRandomPlates: generate license plate numbers by using random number generato
 75      * @param rGenerator
 76      * @param numR
 77      * @return ArrayList<String>
 78      */
 79     public static ArrayList<String> getRandomPlates(Random rGenerator, int numR){
 80         ArrayList<String> plates = new ArrayList<String>();
 81         String p1 = "", p2="";
 82     💡  //Step-5: add a for loop to generate part-1 and part-2 of the license plates
 83            //call getRandom() method to get part-1 and part-2 string
```

```
127    YXF-8844
128    HFY-2535
129    MKO-7145
130    LXC-5645
131    GXR-8751
132    IHG-2553
133    OUB-9411
134    TEF-9086
135    IUM-4202
136    IBX-8286
137    HNU-7852
138    WUF-7706
139    MKU-1963
140    AVN-2244
141    XLV-5668
142    PZZ-6908
143    IUZ-7629
144    YIN-7312
145    WPJ-1372
146    HPE-4367
147    JOS-1592
148    EWD-1746
149    FOI-9319
150    WXF-3824
151
```

PROBLEMS 9   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
FLC-9217
NML-3790
ZBQ-7499
WUI-3833
KEZ-0726
YXF-8844
HFY-2535
MKO-7145
LXC-5645
GXR-8751
IHG-2553
OUB-9411
TEF-9086
IUM-4202
IBX-8286
HNU-7852
WUF-7706
MKU-1963
AVN-2244
XLV-5668
PZZ-6908
IUZ-7629
YIN-7312
WPJ-1372
HPE-4367
JOS-1592
EWD-1746
FOI-9319
WXF-3824
Data is saved to /home/remllez/Documents/java/intermediate/src/java111/week7/license_plates.txt
[remllez@archtop intermediate]$
```