

LotterySimulator

Write a program performs lottery code creation for a given number of tickets. Each code contains a group of digits followed by a group of characters. Only the characters "A", "B", "C", "D" and "E" are used in the code. Here is an example code that contains 5 digits and 3 characters: **20165AEB**

Your program should:

- ask from the user how many digits and characters will be used in code creation
- ask from the user the number of ticket codes to be created
- print all the codes created
- if the first digit is 5, it should also print that the ticket pays for itself (i.e. receives the lowest prize: "amorti"(TR))

Four different runs (screen shots) are provided below as example. (Since your program will call random generator, don't expect to get exactly the same codes when you provide the same inputs as in the examples.) **You can run the project as Java Applet if you cannot run it as Java application. Hint: If you want to print just one character/digit and would like that the cursor waits for next character/digit at the next place, you should use 'print'. 'println' by default adds an end of line character and moves the cursor to the next line after printing.**

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LotterySimulator
Specify number of digits in the code: 4
Specify number of characters in the code: 3
How many codes do you want to generate? 20

Ticket #1 : 3587DDC
Ticket #2 : 7945EEE
Ticket #3 : 9522DED
Ticket #4 : 2571DCE
Ticket #5 : 2030EAA
Ticket #6 : 4488BBA
Ticket #7 : 0918BBC
Ticket #8 : 9103DDA
Ticket #9 : 4557CCC
Ticket #10 : 3964ABC
Ticket #11 : 9438BEC
Ticket #12 : 2663CCC
Ticket #13 : 4317BBA
Ticket #14 : 6170DAC
Ticket #15 : 0310BDD
Ticket #16 : 0468EBE
Ticket #17 : 2615EDA
Ticket #18 : 3561ABD
Ticket #19 : 6099BED
Ticket #20 : 5863DEA
    automatically pays for itself
```

```
LotterySimulator
Specify number of digits in the code: 3
Specify number of characters in the code: 2
How many codes do you want to generate? 5

Ticket #1 : 433CC
Ticket #2 : 965AE
Ticket #3 : 778BA
Ticket #4 : 812DC
Ticket #5 : 214DA
```

```
LotterySimulator
Specify number of digits in the code: 2
Specify number of characters in the code: 5
How many codes do you want to generate? 15

Ticket #1 : 03ECABA
Ticket #2 : 35BCBEA
Ticket #3 : 42EADDB
Ticket #4 : 37ABEEC
Ticket #5 : 41EECED
Ticket #6 : 93CCDEE
Ticket #7 : 59DBDAC
    automatically pays for itself
Ticket #8 : 00ACBAA
Ticket #9 : 42EBCBB
Ticket #10 : 91BAABD
Ticket #11 : 36DDEAC
Ticket #12 : 72CCDDA
Ticket #13 : 39BEEEC
Ticket #14 : 43CCEEB
Ticket #15 : 87BCBED
```

```
LotterySimulator
Specify number of digits in the code: 4
Specify number of characters in the code: 2
How many codes do you want to generate? 12

Ticket #1 : 7352DA
Ticket #2 : 0860AE
Ticket #3 : 5651BA
    automatically pays for itself
Ticket #4 : 2702BC
Ticket #5 : 6585EB
Ticket #6 : 2430BB
Ticket #7 : 4343EB
Ticket #8 : 0886AB
Ticket #9 : 1033CC
Ticket #10 : 1371CE
Ticket #11 : 0461AA
Ticket #12 : 3678CC
```