



## CST-105: Programming Exercise 8

1. Review the Rubric for this assignment before beginning work. Be sure you are familiar with the criteria for successful completion. The rubric link can be found in Loud Cloud under the assignment.
2. Create a JavaFX application that generates a 10 x 10 grid. Populate each cell in the grid with a random integer in the range [0, 99]. If the integer is divisible by 2, color the cell blue. If the integer is divisible by 3, color the cell yellow. If the integer is divisible by 6, color the cell green. Here's a sample run:

74	74	38	57	62	40	42	65	27	38
44	8	48	60	30	20	22	84	51	71
9	13	23	48	4	0	17	3	21	64
54	20	21	84	0	95	63	23	95	76
60	8	93	27	78	52	0	15	86	66
3	97	9	9	70	34	3	97	4	41
43	40	24	20	63	47	96	58	7	46
29	31	54	56	51	79	6	92	74	81
72	82	87	41	59	26	16	57	85	85
3	82	9	49	46	21	49	30	52	52

3. Create a video in which you demonstrate your JavaFX project and explain the relationship among stages, scenes and nodes.

Submit a zip file of your project in Loud Cloud and paste a link to your video in the comments section of your submission. Ask your instructor for specific submissions details.

