

Task #1

Write a for loop to generate 10 random numbers between 2 and 20 (inclusive). Print whether or not the number is evenly divisible by 3, and maintain a count of how many numbers were divisible by 3.

```
2 IS NOT evenly divisible by 3
15 IS evenly divisible by 3
19 IS NOT evenly divisible by 3
12 IS evenly divisible by 3
19 IS NOT evenly divisible by 3
16 IS NOT evenly divisible by 3
11 IS NOT evenly divisible by 3
10 IS NOT evenly divisible by 3
8 IS NOT evenly divisible by 3
16 IS NOT evenly divisible by 3
FINAL TALLY: 2 numbers were divisble by 3
```

```
15 IS evenly divisible by 3
11 IS NOT evenly divisible by 3
2 IS NOT evenly divisible by 3
6 IS evenly divisible by 3
18 IS evenly divisible by 3
1 IS NOT evenly divisible by 3
14 IS NOT evenly divisible by 3
12 IS evenly divisible by 3
3 IS evenly divisible by 3
13 IS NOT evenly divisible by 3
FINAL TALLY: 5 numbers were divisble by 3
```

Task #2:

Ask the user for a number. Use a for loop to print the multiplication table between 1 to 10 for the number.

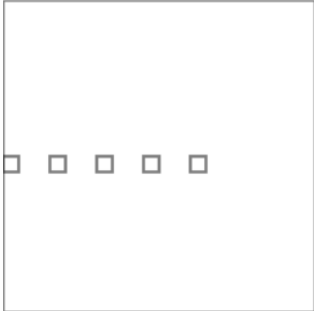
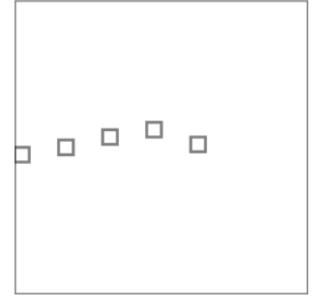
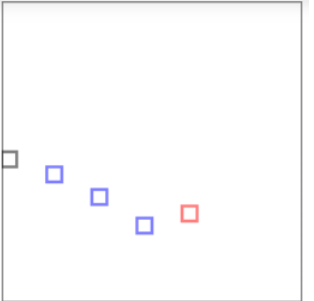
```
enter multiplier:7
1 * 7 = 7
2 * 7 = 14
3 * 7 = 21
4 * 7 = 28
5 * 7 = 35
6 * 7 = 42
7 * 7 = 49
8 * 7 = 56
9 * 7 = 63
10 * 7 = 70
```

```
enter multiplier:14
1 * 14 = 14
2 * 14 = 28
3 * 14 = 42
4 * 14 = 56
5 * 14 = 70
6 * 14 = 84
7 * 14 = 98
8 * 14 = 112
9 * 14 = 126
10 * 14 = 140
```

Task #3 Use a for loop to generate 5 random numbers between -50 and 50 (inclusive) and keep track of the minimum and maximum numbers generated. Each time you generate a new random number, check if you have a new minimum or new maximum. How would you initialize the minimum and maximum? What if we changed the range of values to something different than -50 and 50, would your code still work? HINT: Initialize the minimum and maximum to the first random number.

<pre> NEW NUMBER: 14 MIN= 14 MAX= 14 NEW NUMBER: 28 MIN= 14 MAX= 28 NEW NUMBER: -10 MIN= -10 MAX= 28 NEW NUMBER: 37 MIN= -10 MAX= 37 NEW NUMBER: -47 MIN= -47 MAX= 37 </pre>	<pre> NEW NUMBER: 25 MIN= 25 MAX= 25 NEW NUMBER: 31 MIN= 25 MAX= 31 NEW NUMBER: -48 MIN= -48 MAX= 31 NEW NUMBER: 33 MIN= -48 MAX= 33 NEW NUMBER: 35 MIN= -48 MAX= 35 </pre>
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Task #4

	<p>Task #4a Update the code to use a for loop to draw 5 squares.</p>
	<p>Task #4b Copy the code from task4a to task4b. Adjust the y value of each square to vary a random amount between -20 and 20 pixels from the previous square.</p>
	<p>Task #4c Copy the code from task4b to task4b. If the vertical adjustment from the previous square is positive (y is getting bigger), color the square blue otherwise color it red. Notice the first square is black since there is no previous square.</p>