

Notification-bot --

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1. Set up a random number generator
2. Declare 2 constants named MAX1 and MAX2 - set MAX1 equal to 100 and MAX2 equal to 2.
3. Declare a two dimensional array variable of type int of size MAX1 by MAX2, named x. (Consider each row of numbers an x,y coordinate).

e.g.,

```
x[MAX1][MAX2];
```

4. Ask the user for notification text(one sentence of text).
5. Read the user input using getline() into a string variable named notification.

e.g.,

```
getline(cin, notification);
```

6. Use two for loops and a random number generator to populate the two dimensional array with random values between 1 and 1000
7. Write an if-statement that checks if a coordinate has been assigned that is within a specific quadrant, lets say  $x > 50$  and  $y > 50$ .
8. If a coordinate with those specifications exists in the x array, print the user's notification, the coordinate, and the number of assigned coordinates taken before landing in the specified quadrant.