

Save & Run

7/11/2024, 7:24:59 PM - 3 of 3

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Pair?

```
1 //Code by Akshat Garg
2 public class Magic8Ball
3 {
4     public static void main(String[] args)
5     {
6         // Get a random number from 1 to 8
7         int choice = (int)(Math.random()*8)+1;
8         // Use if statements to test the random number
9         // and print out 1 of 8 random responses
10        if (choice == 1){
11            System.out.print("Of course!");
12        }
13        if (choice == 2){
14            System.out.print("Oh definitely no!");
15        }
16        if (choice == 3){
17            System.out.print("No...");
18        }
19        if (choice == 4){
20            System.out.print("Yeah maybe");
21        }
22        if (choice == 5){
23            System.out.print("For sure");
24        }
25        if (choice == 6){
26            System.out.print("If you try hard enough, maybe");
27        }
28        if (choice == 7){
29            System.out.print("Nope");
30        }
31        else {
32            System.out.print("Yes");
33        }
34    }
35 }
36 }
37
38
```

Of course!Yes

Result	Expected	Actual	Notes
Pass	Output length > 0	Output length of 13	Prints a statement
Pass	8	8	Unique responses
Pass	7 or more	7	Code has at least 7 if statements

You got 3 out of 3 correct. 100.00%

Activity: 3.2.3.1 ActiveCode (challenge3-2-if-Magic8ball)

Copy and paste your code from your repl.it.com and run to see if it passes the autograder tests. Include the link to your repl.it.com code in comments. Note that this code will only run with the autograder's input and will not ask the user for input.

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```
1 //Code by Akshat Garg
2 // Copy in your link to your code on repl.it.com here:
3 //https://firewalledreplit.com/@Akshatgarg4/AnimalGuesser
4 // Copy in all of your code from repl.it.com below (include import and public class
5 // Main)
6 import java.util.Scanner;
7 public class Main {
8     public static void main(String[] args)
9     {
10         System.out.println("\n\nLet's play 20 questions. Choose an animal and I will tr
11         Scanner scan = new Scanner(System.in);
12
13         System.out.println("Is it a mammal (y/n)?");
14         String answer = scan.nextLine();
15         if (answer.equals("y")) {
16             System.out.println("Is it a pet (y/n)?");
17             answer = scan.nextLine();
18             if (answer.equals("y")) {
19                 System.out.println("Does it bark (y/n)?");
20                 answer = scan.nextLine();
21                 if (answer.equals("y")) {
22                     System.out.println("I guess a dog! Click on run to play again.");
23                 } else {
24                     System.out.println("I guess a cat! Click on run to play again.");
25                 }
26             } else {
27                 System.out.println("I guess an elephant! Click on run to play again.");
28             }
29         } else { // not a mammal
30             System.out.println("Does it have a shell (y/n)?");
31             answer = scan.nextLine();
32             if (answer.equals("y")) {
33                 System.out.println("I guess a turtle! Click on run to play again.");
34             } else {
35                 System.out.println("I guess a bird! Click on run to play again.");
36             }
37         }
38     }
39 }
40
41
```

Activity: 3.3.2.1 ActiveCode (challenge3-3-IfElse-20Questions-autograde)

Copy and paste your all of your code from replit.com and run to see if it passes the autograder tests. Include the link to your replit.com code in comments. Note that this code will only run with the autograder's input and will not ask the user for input.

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```
1 // Code by Akshat Garg
2 // Copy in your link to your code on replit.com here:
3 // https://firewalledreplit.com/@Akshatgarg4/Adventure#Main.java
4 // Copy in all of your code from replit.com below (include import and public class
5 // Main)
6
7 import java.util.Scanner;
8
9 public class Main {
10     public static void main(String[] args) {
11         Scanner scan = new Scanner(System.in);
12         System.out.println("\n\n You are on an island surrounded by water.\n There is a path to
13 String command = scan.nextLine();
14         if (command.equals("n")) {
15             System.out.println("You enter the forest and hear some rustling. \nThere may be tig
16         } else if (command.equals("s")) {
17             System.out.println("You fell in the water while looking at your phone. All your stu
18         } else if (command.equals("e")) {
19             System.out.println("The trail is hot, and you reach the abandoned shack. \nThere an
20         } else {
21             System.out.println("You can't go here.");
22         }
23         System.out.println("End of adventure!");
24         scan.close();
25     }
26 }
27
28
```

Activity: 3.4.1.1 ActiveCode (challenge3-4-Elself-Adventure-autograde)

Fun activity, nice way to be creative. Adventure game could be a great plot.