



# Make a Comedian Robot

Your mission is to take some basic joke data and create a robot capable of talking, a jokebot capable of telling jokes, but a comedianbot that can put on a show! Use what you've learned to leverage previous techniques to inherit functionality like a pro

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## I Setup

1. Download DeltaObjects.zip and open in in Android Studio
2. Create a basic "Bot" class that has a "talk" method that prints to the log the String that is given
3. Give it a String for the name of the creator that cannot be changed at runtime.
4. Give it a String for the name of the robot with appropriate setters and getters, but use autogeneration

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## II Extend to a JokeBot

5. Create a "JokeBot" class that inherits the "Bot" functionality to takes an ArrayList of Jokes. Create a "sayJoke" method that will use the talk method to say the setup and punchline of the joke data object
6. Create a constructor that will define the default member ArrayList of jokes your bot knows
7. Create a "tellJoke" method that will pick a random joke and use the "sayJoke" method to tell the joke. Use an enhanced for loop when you do this.

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## II Extend to a ComedianBot

8. Create a Comedian bot class that inherits from your joke telling robot class. Create a "performShow" method that gets jokes, and then performs several of them, including saying an introduction and goodnight.
9. In your ObjectActivity class, instantiate the ComedianBot class with a unique name and have him perform a show for you in the logs!