



Python Discord Bot







DAY 04

**Why If You Could
Make Your Bot Smarter?**

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Exercise 01: Implementing lists on your discord bot

	Difficulty:	★
	Objectives:	Create a bot that will recognize the following elements in a list. "Twddy", "Taddy", "Trddy" "Tnddy?" "Tmddy?" at any point in the user's message and respond with "Did you mean Teddy?"
	Skills required:	Improved understanding of lists and conditionals
	Resources:	<ul style="list-style-type: none">➤ The python built-in function "any"➤ What are "for" statements➤ What are data structures
	Search keywords:	<ul style="list-style-type: none">➤ compare, message, list, discord➤ lists, if, in, for, any
	Command required:	(It should respond based on the given keywords)

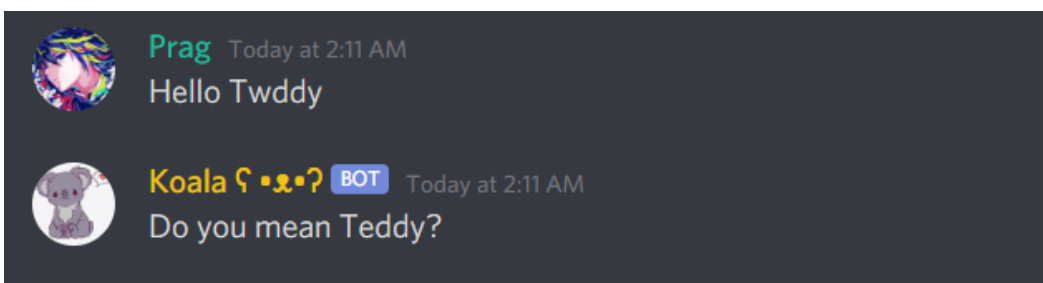


Code snippet:







```
import discord
```



Output example:



Exercise 02: Repeating a user's message

	Difficulty:	★ ★
	Objectives:	Create a command that enables the bot to repeat the user's message
	Skills required:	Formatting strings via the bot
	Resources:	<ul style="list-style-type: none">➤ All about the "Message" class➤ What is "message.content"?➤ What is a co-routine?
	Search keywords:	echo bot discord py
	Command required:	\$echo

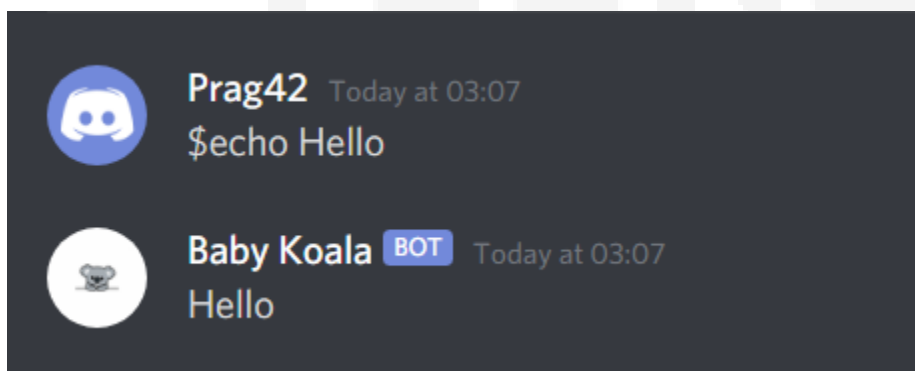


Code snippet:







```
import discord
if . . .
    await . . . (message.content[...:...] .format(message))
```



Output example:



Exercise 03: Saying a message as the bot.

	Difficulty:	★ ★
	Objectives:	Create a command that allows you to “speak” as the bot
	Skills required:	‘Echo-ing’ and ‘Deleting’ of author messages
	Resources:	What is message.delete()?
	Search keywords:	echo bot discord py
	Command required:	\$Say



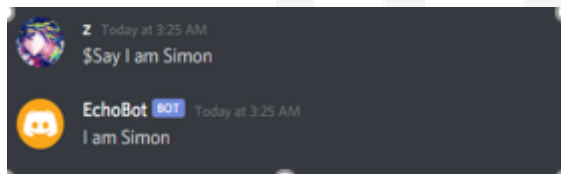
Code snippet:

```
import discord
...
await message.delete()
```

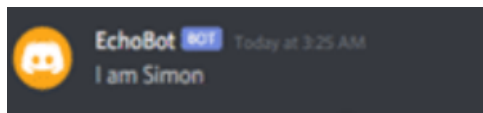


Output example:







Before



After



Exercise 04: Making a simple game using random

	Difficulty:	★ ★ ★ ★
	Objectives:	The bot should be able to play a simple game of rock, paper scissors with the user. (Bonus points if the bot can identify if it's a win/lose/tie)
	Skills required:	Basic utility of certain libraries to create variation in response
	Resources:	➤ All about the random library\ ➤ Random choices
	Search keywords:	➤ random python documentation ➤ rps discord py
	Command required:	\$rock, \$paper, \$scissors

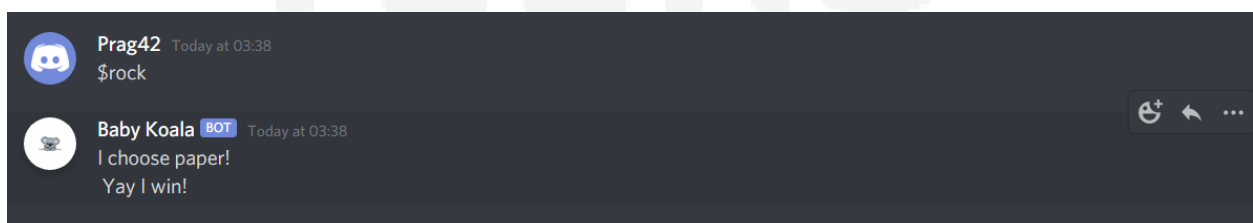


Code snippet:







```
import discord
import random
```



Output example:



Exercise 05: Adding a user-manual

	Difficulty:	★
	Objectives:	Create a help command that lists all the current list of available functions of your bot
	Skills required:	Ability to write multi-line strings
	Resources:	What are strings in python?
	Search keywords:	<ul style="list-style-type: none">➤ Python➤ Multi➤ Line➤ Strings
	Command required:	\$help



Code snippet:

```
import discord
```



Output example:

