



Python Discord Bot







Day 06

Learn about database

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Exercise 01: \$new

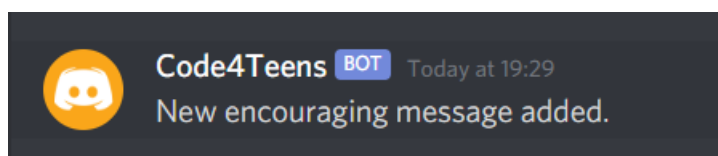
| | | |
|---|-------------------|--|
|  | Difficulty: | ★ ★ ★ |
|  | Objectives: | Use a command to instruct the discord bot to add message to the database. |
|  | Skills required: | <ul style="list-style-type: none">➤ String split or String slice➤ Repl.it Database➤ Adding data to database (Set a key to a value) |
|  | Resources: | https://docs.replit.com/tutorials/11-using-the-replit-database |
|  | Search keywords: | <ul style="list-style-type: none">➤ Python string split method➤ Python slice string➤ A database for every replit |
|  | Command required: | \$new [message] |

Code snippet:







```
from replit import db

def update_encouragements(encouraging_message):
    if "encouragements" in db.keys():
```

✓ Output example:



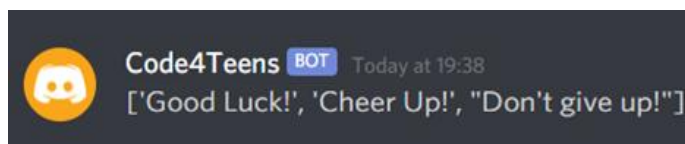
Exercise 02: \$list

| | | |
|--|-------------------|---|
|  | Difficulty: | ★ ★ ★ |
|  | Objectives: | Use a command to instruct the discord bot to list all messages stored in database. |
|  | Skills required: | <ul style="list-style-type: none">➤ Repl.it Database➤ Read data in database (Get a key's value)➤ Python list <p><u>Only if you faced "ObservedList" problem in Replit</u></p> <ul style="list-style-type: none">➤ Type function in Python |
|  | Resources: | https://docs.replit.com/tutorials/11-using-the-replit-database |
|  | Search keywords: | ➤ A database for every replit |
|  | Command required: | \$list |







Code snippet:

```
From replit import db
```

✓ Output example:



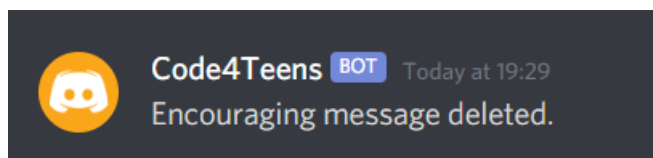
Exercise 03: \$delete

| | | |
|---|-------------------|---|
|  | Difficulty: | ★ ★ ★ |
|  | Objectives: | Use a command to instruct the discord bot to delete specific message from database. |
|  | Skills required: | <ul style="list-style-type: none">➤ String split or String slice➤ Repl.it Database➤ Access list item in Python➤ Deleting data from database (Delete a key) |
|  | Resources: | https://docs.replit.com/tutorials/11-using-the-replit-database |
|  | Search keywords: | <ul style="list-style-type: none">➤ Python string split method➤ Python slice string➤ A database for every replit |
|  | Command required: | \$delete [integer] |







Code snippet:

```
from replit import db  
  
def delete_encouragement(index):
```

Output example:



Exercise 04: \$del_list

| | | |
|---|-------------------|--|
|  | Difficulty: | ★ ★ ★ |
|  | Objectives: | Use a command to instruct the discord bot to delete specific message from database and show the updated list of messages. |
|  | Skills required: | <ul style="list-style-type: none">➤ String split or String slice➤ Repl.it Database➤ Access list item in Python➤ Deleting data from database (Delete a key)➤ Read data in database (Get a key's value) <p><u>Only if you faced "ObservedList" problem in Replit</u></p> <ul style="list-style-type: none">➤ Type function in Python |
|  | Resources: | https://docs.replit.com/tutorials/11-using-the-replit-database |
|  | Search keywords: | <ul style="list-style-type: none">➤ Python string split method➤ Python slice string➤ A database for every replit |
|  | Command required: | \$del_list [integer] |

Code snippet:

```
From replit import db
```

Output example:

