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# This program will retrieve Chuck Norris Jokes from an API and display the
# value to the user
# 10.1 Programming Assignment
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import requests
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def joke_pull(category):
    url = "https://api.chucknorris.io/jokes/random"
    params = {'category': category}
    response = requests.get(url, params=params)
    data = response.json()
    joke = data['value']
    return joke

def main():
    print("Hello, Welcome to the program that gives you fun jokes, I hope "
          "you like Chuck Norris ")
    print("Did you want to choose a category? Here is some options: animal",
          "career", "celebrity", "dev", "explicit", "fashion", "food",
          "history", "money", "movie", "music")
    print("Not quite satisfied? We also have:", "political", "religion",
          "sport", "plus travel")
    category = input("Enter a joke category, if you can't choose just press "
                    "enter to default to a science joke: ").lower()
    if not category:
        category = "science"
    try:
        while True:
            joke = joke_pull(category)
            print("Get ready for a good laugh, here is your joke: ")
            print(joke)
            print()
            repeat = input("Would you like to hear another one? (Y/N) or to "
                          "change your category (C): ")
            if repeat.upper() == 'N':
                print("Thanks for coming, Goodbye!")
                break
            elif repeat.upper() == "Y":
                continue
            elif repeat.upper() == "C":
                main()
            else:
                print("Input Error, please try again... ")
                continue
    except Exception as e:
        print("Invalid input: ", str(e))
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if __name__ == "__main__":
    main()
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