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# QR Code Generator App
# Author: Aryabhatta
# This program creates and saves a QR code for any text or link entered by the user.
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import qrcode
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```
def generate_qr():
    print("==== QR CODE GENERATOR ====")

    # Step 1: Take input from user
    data = input("Enter the text or link to generate a QR code: ")

    # Step 2: Ask user for filename
    file_name = input("Enter a name for your QR code image (without extension): ")
    if file_name.strip() == "":
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        file_name = "my_qr"
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    # Step 3: Create a QR code object with some customization
    qr = qrcode.QRCode(
        version=1,          # controls the size (1 = smallest)
        error_correction=qrcode.constants.ERROR_CORRECT_H, # high error
        correction
        box_size=10,        # size of each box
        border=4             # thickness of border
    )
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    # Step 4: Add data to the QR code
    qr.add_data(data)
    qr.make(fit=True)
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    # Step 5: Create an image (you can change colors here)
    img = qr.make_image(fill_color="black", back_color="white")
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    # Step 6: Save the image
    img.save(f"{file_name}.png")
    from google.colab import files
    files.download(f"{file_name}.png")
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    # Step 7: Completion message
    print(f"✅ QR code generated successfully as '{file_name}.png'")
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# Run the app
generate_qr() # This line is uncommented to run the function
```