QR CODE GENERATOR PROGRAM

December 21, 2023

```
[1]: pip install qrcode
```

```
Requirement already satisfied: qrcode in
c:\users\hp\documents\anaconda\lib\site-packages (7.4.2)
Requirement already satisfied: typing-extensions in
c:\users\hp\documents\anaconda\lib\site-packages (from qrcode) (4.7.1)
Requirement already satisfied: pypng in c:\users\hp\documents\anaconda\lib\site-
packages (from qrcode) (0.20220715.0)
Requirement already satisfied: colorama in
c:\users\hp\documents\anaconda\lib\site-packages (from qrcode) (0.4.6)
Note: you may need to restart the kernel to use updated packages.
```

```python
[2]: import qrcode

def generate_qr_code(data):
    # Create QR code instance
    qr = qrcode.QRCode(
        version=1,
        error_correction=qrcode.constants.ERROR_CORRECT_H,
        box_size=10,
        border=4,
    )

    # Add data to the QR code
    qr.add_data(data)
    qr.make(fit=True)

    # Create an image from the QR code instance
    img = qr.make_image(fill_color="black", back_color="white")
    return img

def main():
    user_data = input("Enter data for QR code: ")

    qr_image = generate_qr_code(user_data)

    # Save the generated QR code image
    file_name = "generated_qr_code.png"
```

```
    qr_image.save(file_name)
    print(f"QR code generated and saved as '{file_name}'")

if __name__ == "__main__":
    main()
```

Enter data for QR code: https://lms.iitmandi.ac.in/login/index.php

QR code generated and saved as 'generated_qr_code.png'

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