

# UPI QR Code Generator - Python Code Documentation

This Python script generates UPI QR codes for multiple payment applications such as PhonePe, Paytm, and Google Pay. It allows the user to input their UPI ID, constructs UPI payment URLs, and then generates corresponding QR codes for each app.

```
#pip install qrcode
#pip install pillow
import qrcode

# Taking UPI ID
upi_id = input("Enter your UPI ID: ")

# Defining UPI payment URL format
# upi://pay?pa=UPI_ID&pn=NAME&am=AMOUNT&cu=CURRENCY&tn=MESSAGE

# Defining the payment URLs for different apps
phonepay_url = f'upi://pay?pa={upi_id}&pn=Receipient%20Name&mc=1234'
paytm_url = f'upi://pay?pa={upi_id}&pn=Receipient%20Name&mc=1234'
google_pay_url = f'upi://pay?pa={upi_id}&pn=Receipient%20Name&mc=1234'

# Creating QR codes
phonepay_qr = qrcode.make(phonepay_url)
paytm_qr = qrcode.make(paytm_url)
google_pay_qr = qrcode.make(google_pay_url)

# Displaying the QR codes
phonepay_qr.show()
paytm_qr.show()
google_pay_qr.show()
```

**\*\*Workflow:\*\*** 1. The user is prompted to input their UPI ID. 2. The script constructs UPI payment URLs for PhonePe, Paytm, and Google Pay using the entered UPI ID. 3. Using the `qrcode` library, it generates QR codes for each of these URLs. 4. The generated QR codes are displayed using the `show()` function from the Pillow library. **\*\*Libraries Used:\*\*** - `qrcode`: Used to generate QR codes. - `pillow`: Required by the `qrcode` library for image display. **\*\*Installation Commands:\*\*** `` pip install qrcode pip install pillow `` **\*\*Use Case:\*\*** This script can be used by merchants or individuals to quickly generate and share UPI QR codes for receiving digital payments.