

# Project Report

Project : QR Code Generator

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**Introduction :** QR code generator takes some data as input. That data can be anything like a URL or some text. Then it creates a QR code from that input data. And in the final step, the QR Code is saved as an SVG file.

### **Project Setup :**

1. we need to install one module for this project `pyqrcode` module which doesn't come pre-installed with python and we have to install it manually.
2. We can install this by simply running `pip install pyqrcode` command from the terminal.
3. Now we have to import '`pyqrcode`' module.
4. Now, We need to get user input to create QR Code.

```
Data = input("Enter the text or link to create QR code")
```

we are using an `input()` function to obtain user input and storing it in the data variable.

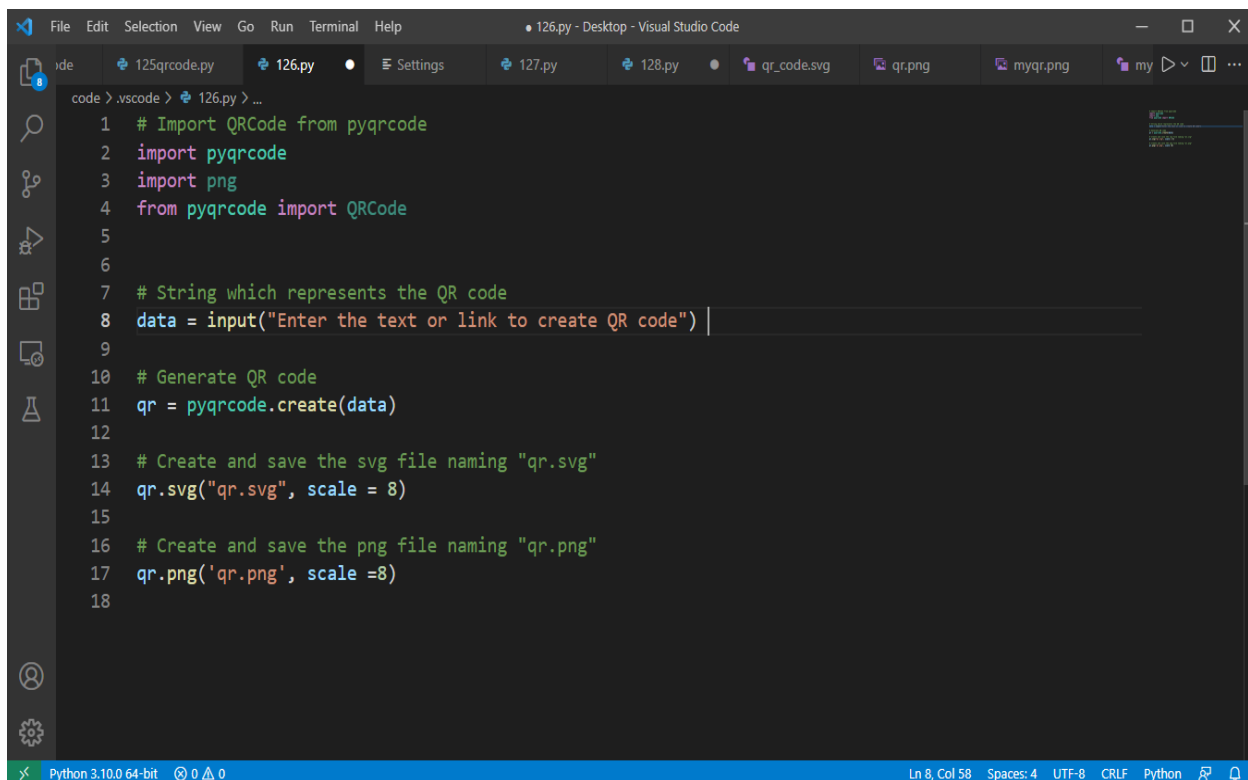
```
data = input("Enter the text or link to generate QR code: ")
data = input("Enter the text or link to generate QR code: ")
```

5. Now, we will use `pyqrcode.create()` function by the help of `pyqrcode` module. This function will take our user input as a parameter and will generate a QR code. That QR code will then be stored in the `qr` variable.

```
qr = pyqrcode.create(data)
```

6. Now, we will use `svg('FILE_NAME', scale = 8)` function we will give the name of the QR code file to be generated.

## Code-



```
code > .vscode > 126.py > ...
1  # Import QRCode from pyqrcode
2  import pyqrcode
3  import png
4  from pyqrcode import QRCode
5
6
7  # String which represents the QR code
8  data = input("Enter the text or link to create QR code") |
9
10 # Generate QR code
11 qr = pyqrcode.create(data)
12
13 # Create and save the svg file naming "qr.svg"
14 qr.svg("qr.svg", scale = 8)
15
16 # Create and save the png file naming "qr.png"
17 qr.png('qr.png', scale =8)
18
```

Python 3.10.0 64-bit 0 0 Ln 8, Col 58 Spaces: 4 UTF-8 CRLF Python

## Code in text form-

#Run "pip install pyqrcode" before running this program

```
import pyqrcode
```

```
Import png
```

```
From pyqrcode import QRCode
```

```
data = input("Enter the text or link to create QR code")
```

```
qr = pyqrcode.create(data) # To create QR code of input data
```

```
#using .svg method to save the QR code as svg file
```

```
qr.svg("qr.svg", scale=8)
```

```
#creat the png file naming "qr.png"
```

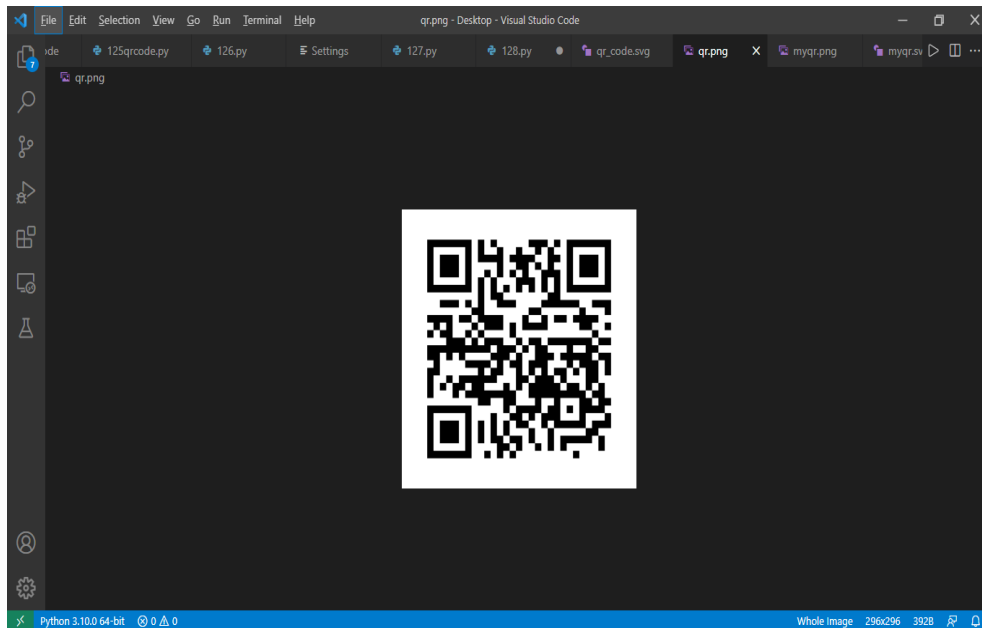
```
qr.png("qr.png", scale=8)
```

## Output-

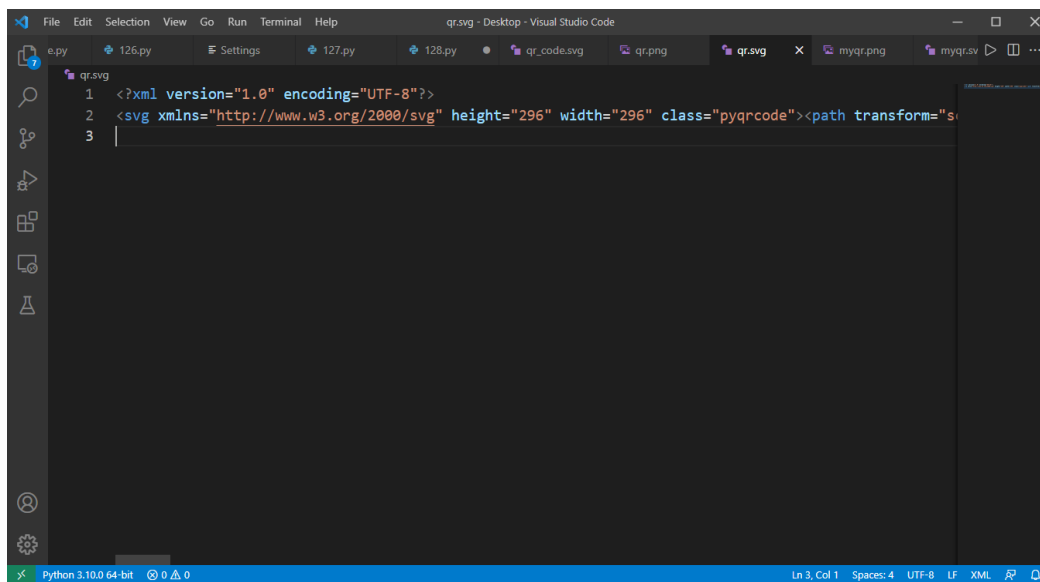
For example -If User input – [www.facebook.com](http://www.facebook.com)

It will create two files- 1. qr.png      2.qr.svg

## 1.qr.png



## 2. qr.svg



THANK YOU









