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QR Code Generator

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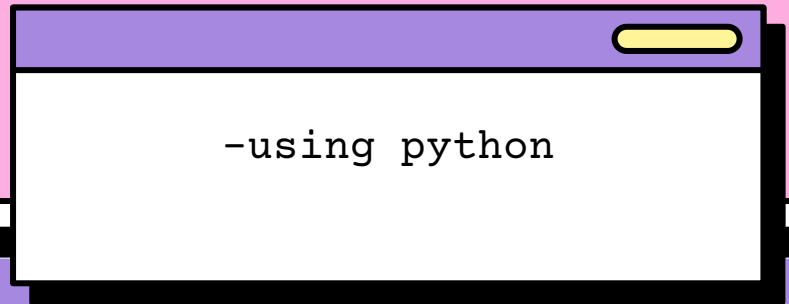
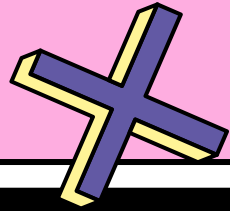
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-using python

Name of the group members

01

Kunal Shendage

Roll no:-14

Backend

02

Nayan Savekar

Roll no:-08

creatives

03

Shruti Sable

Roll no:-07

Reports

04

Kritik Shelar

Roll no:-13

Backend

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The flowchart and algorithm for the code

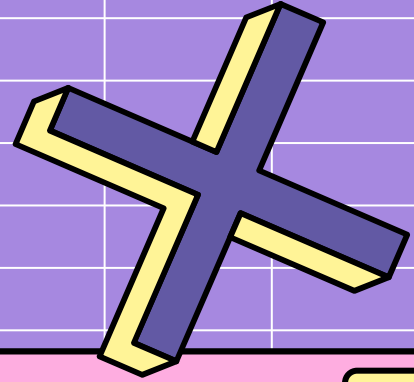
04

Advantages

Use of the project in real life

INTRODUCTION

Nowadays we all use QR code for multiple purposes like making payments, sharing WiFi, etc. This project will generate QR codes and insert them into excel sheets and also keep track of records using them.



QR Code is a machine-readable matrix barcode that uniquely represents information. With the increase in optical capabilities of smartphones, the use of QR codes started increasing.

In this project, we will build a QR Code generator using Python Modules.



Problem Definition



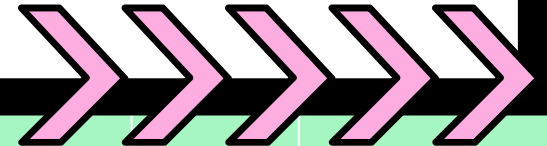
Real life issue

It is difficult to keep records of every single objects, people and stuff



Solution

A unique QR for them and updating in Excel sheets makes it easy



Problem Definition



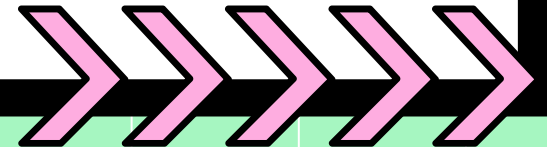
Real life issue

Taking attendance

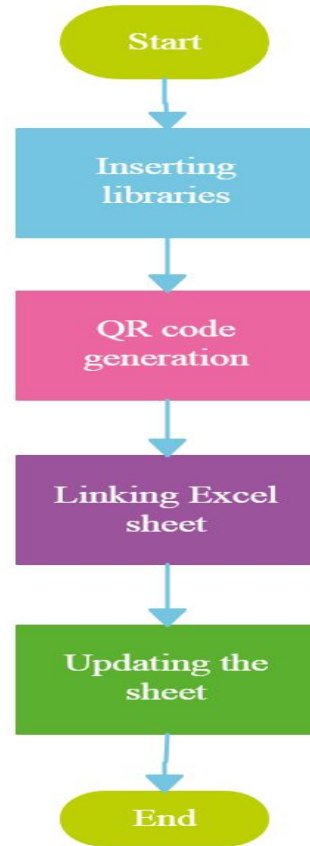


Solution

A unique QR for them
and updating in Excel
sheets with flowcharts



Flowchart





Algorithm

Step 1 :- Start

Step 2:- Inserting libraries for QR code generation and Excel sheet linking

Step 3:- QR code generation code

Step 4:- Linking Excel sheets with python using openpyxl library

Step 5:- Code for updating the data in the sheets

Step 6:- End of program

Code for QR

```
# Import QRCode from pyqrcode
import pyqrcode
import png
from pyqrcode import QRCode

# Generate QR code
url = pyqrcode.create(s)
# Create and save the svg file naming
"myqr.svg"
url.svg("myqr.svg", scale = 8)
# Create and save the png file naming
"myqr.png"
url.png('myqr.png', scale = 6)
```

Applications

Attendance

It is easy to maintain attendance of students in the class



Tracking goods

QR code makes it easy to track items



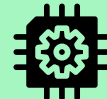
Survey

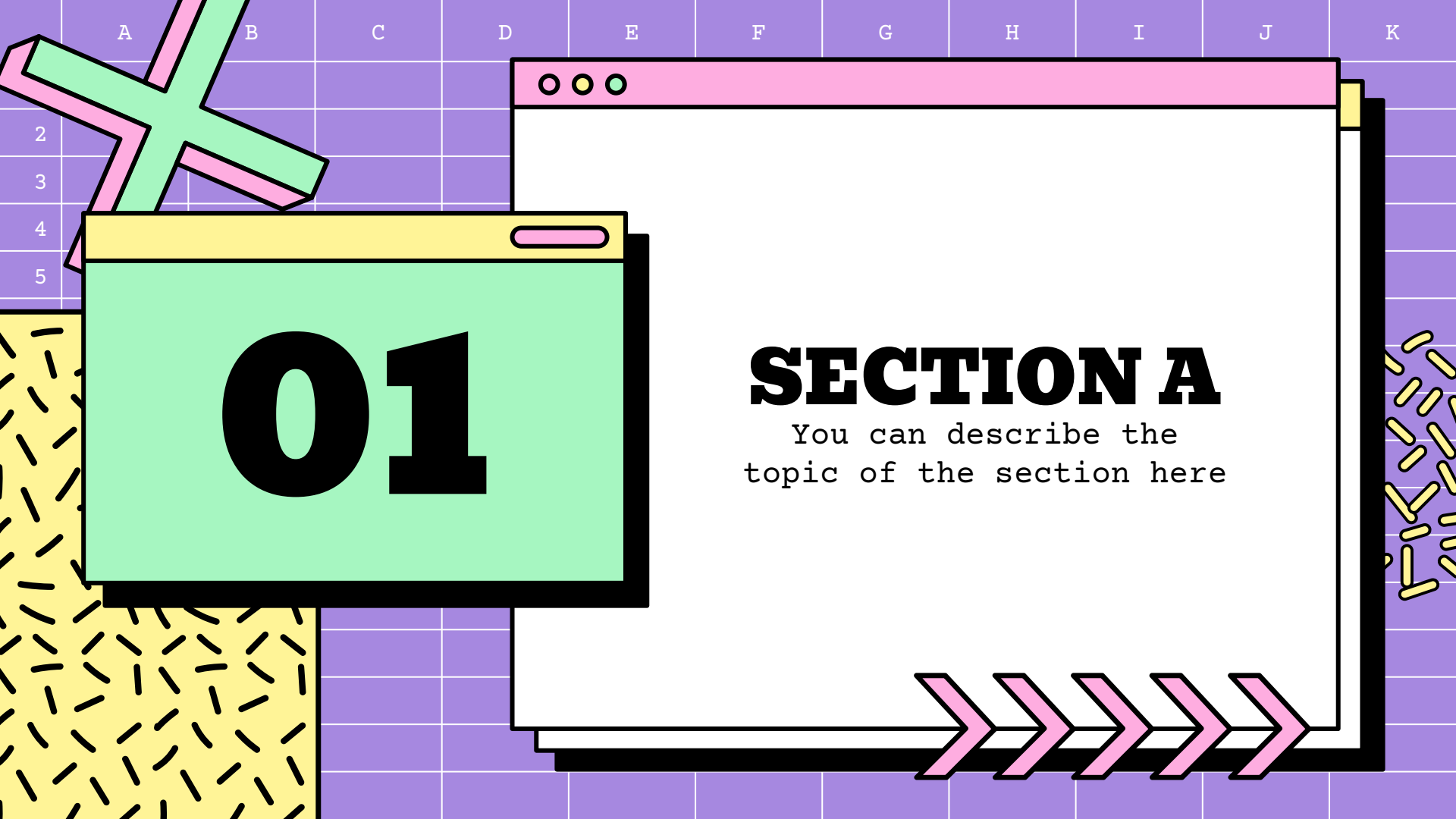
Updating the data in excel sheet makes it easy to make a survey



Opening links

QR codes make it easy to open links also in Excel





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01

SECTION A

You can describe the
topic of the section here

