**Python :**

* **Scalar types :**

int,float,bool....etc

* **Operators :**

Arithmetic operators , Assignment operators, Comparison

**operators, Logical operators, Identity operators, Bitwise operators**

* **Control flow :**

if Statement, For Statements,The range() Function,Break and continue

Statements,Pass Statements.

* **Data Structures :**

lists, Dictionary,Tuple,Set, String

* **Exceptions :**

Exception handling

* **Iterations and iterables :**

list and set comprehension

* **Classes**
* **Working with files**

Counting the occurance of each word in a text file and printing them in . decending order based on the word count.

* **Quiz:**

we developed a quiz program that involves two teams and a judge. We Will display some questions and the teams will answer and judge will decide the winner based on the scores.

* **Git Hub:**

We learnt how to create a repository and how to push the existing code into the remote repository

We also learnt how to clone the remote repository into a local system

We also created ssh key pair(public, private keys)

We also learnt creating different branches

* **Symetric and asymmetric key encryption**
* **OSI model**
* **Postman**

We learnt how to test APIs using postman and we also learnt how to fetch json data using Get request.

We also sent jason data to url using postman

* **Django**

We followed the django documentation and learnt how to create virtual environment, sample project creation and app creation.

By taking the reference of polls app in the documentation we have created many apps like quiz app and online school management app.

* **Django Rest Framework**

WE followed the documentation of django rest framework and learnt the concepts such as serialization, request and response, class based views and autehntication.

* **Streamlit**

We followed documentation to learn streamlit

To analyze the customer data and create a table for frequent mode of transaction by individual customer, a bar graph for the amount spent on each mode of transaction for all the customers, a bar graph for the number of customers who paid EMI on time and the customers who haven't paid and a pie chart by grouping based on the various expenses by all the customers.