1. Create a CSV File[Headers:Age,Branch,Date of Joining,Mobile Number] in python.Insert 1000 records into the CSV File. Create  dummy data using random func
2. Read Records from Above CSV File whose age is Greater than 24 and <30 using pandas
3. Create two folders X and Y,insert 100 images each of size 1.5MB into X folder and Calculate transfer speed to copy Images from X to Y.[Speed in MB/s].
4. Read and Concatenate two images horizontally and Vertically using OpenCV.
5. Read an image using OpenCV, and Convert pixel value(0,255,0) to (255,255,255).
6. Create 4 images with red,black,green and blue background using numpy and stitch all images vertically and horizontally using numpy
7. Write a Script to store and display System Time on the OpenCV Window,add- a key(X-from keyboard) to close the Window.
8. Read above images in OpenCV and Store as a Single Video File.
9. A)Create a separate branch with your name in git\_testing respository.

B)Commit all your questions into this branch with valid commit messages.

C) Check out your commit last ID with  git log.

D)Merge 2 branches.

E) Shift to particular branch.

1. Write a script to plot bar graph,pie chart using matplotlib (Data from Question 1------> Number of  students vs Branch).
2. Write a script to plot multiple lines [Data ---->Random x and y values]
3. Understand Python configuration files and write a script to store Field operator details [Id,Name],camera parameters[width,height,Exposure,SLNO] in a Configuration file[.ini file].
4. Write a Script to display above configuration file data.
5. Understand Exceptions Concept and Write a Script to create a  Project Survey page which takes  ProjectName, From Direction ,To Direction,Lane Number,Survey Date as inputs and generates an Exception
   1. When User Enters Numbers in ProjectName,From Direction,To Direction Fields. Generate an Exception as ‘ Numbers not accepted in Field Name '.Where  Field Name is [ProjectName,From Direction,To Direction].
   2. When User Enters Special Characters in ProjectName,From Direction,To Direction,Lane Number. Generate an Exception as ‘ Special Characters not accepted in Field Name '.Where  Field Name is [ProjectName,From Direction,To Direction,Lane Number]
   3. When User Enters Characters in Lane Number, Generate an Exception as ‘ Characters are not accepted in Lane Number '.

15.Understand Thread concept in python and Write a program to create an office query system.There are two modules in the system Oculotronics Office and Client where

* 1. Oculotronics office receives a query from client and stores them in a Unique file
  2. Client sends a Query [Name,Phone Number,Query[Question]] at random interval[1-8 seconds]