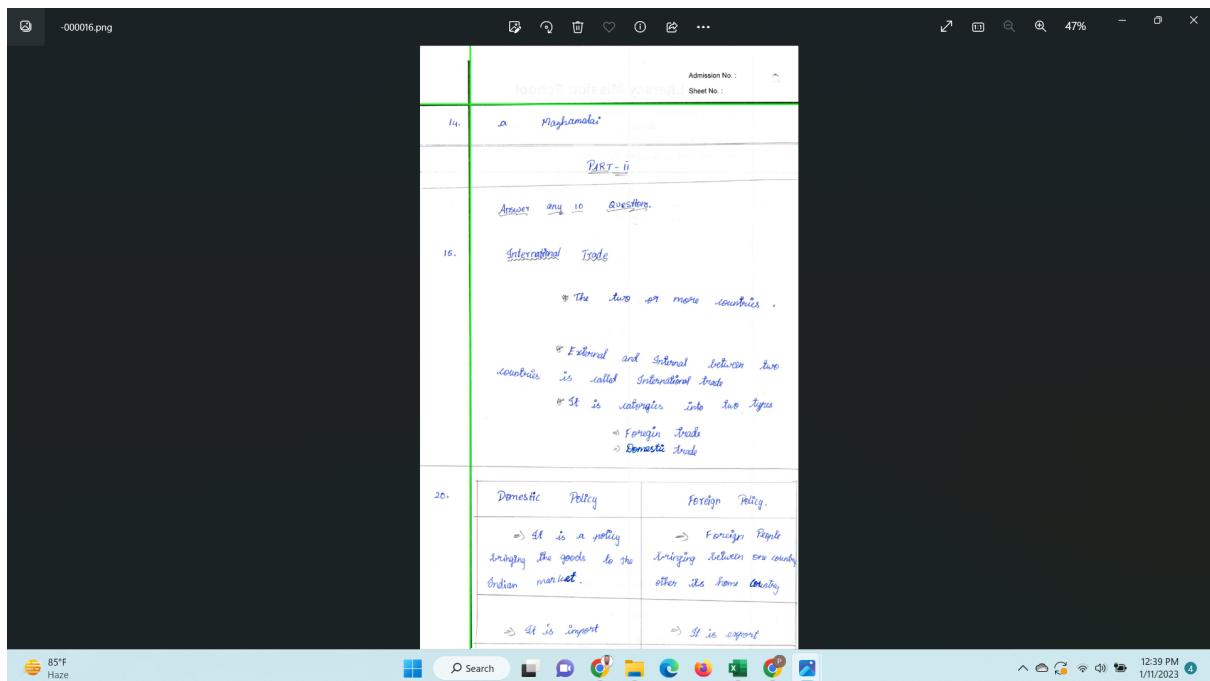
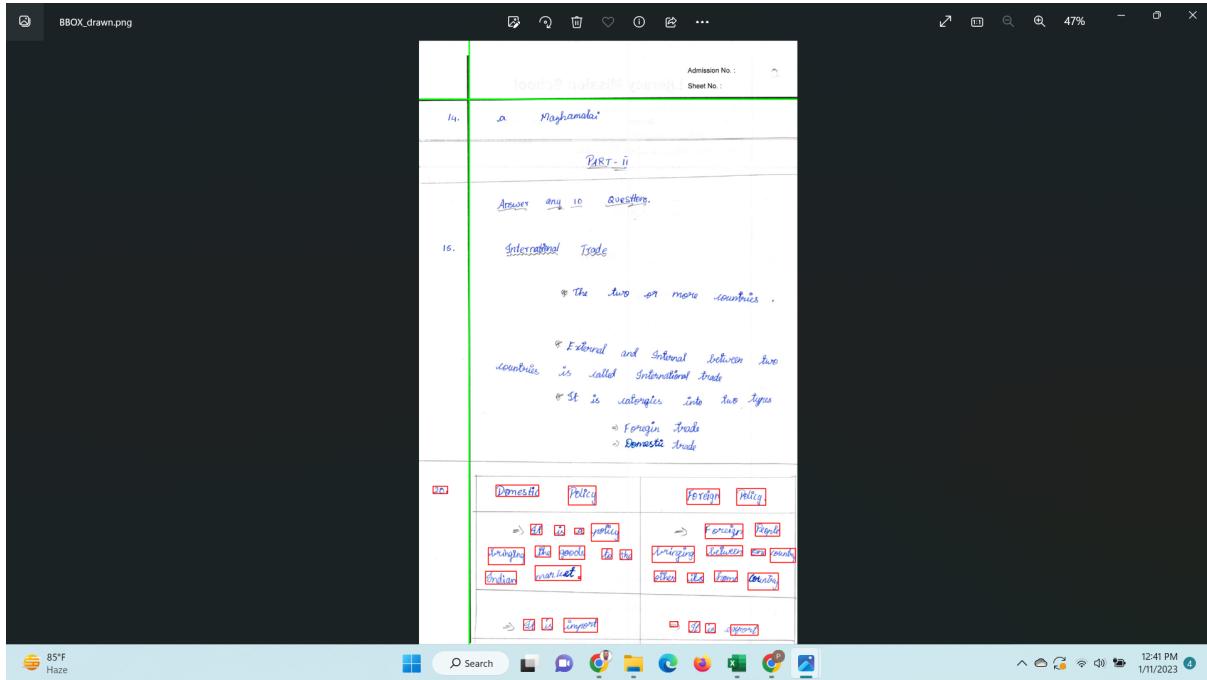


Table Detection and Data Segregation

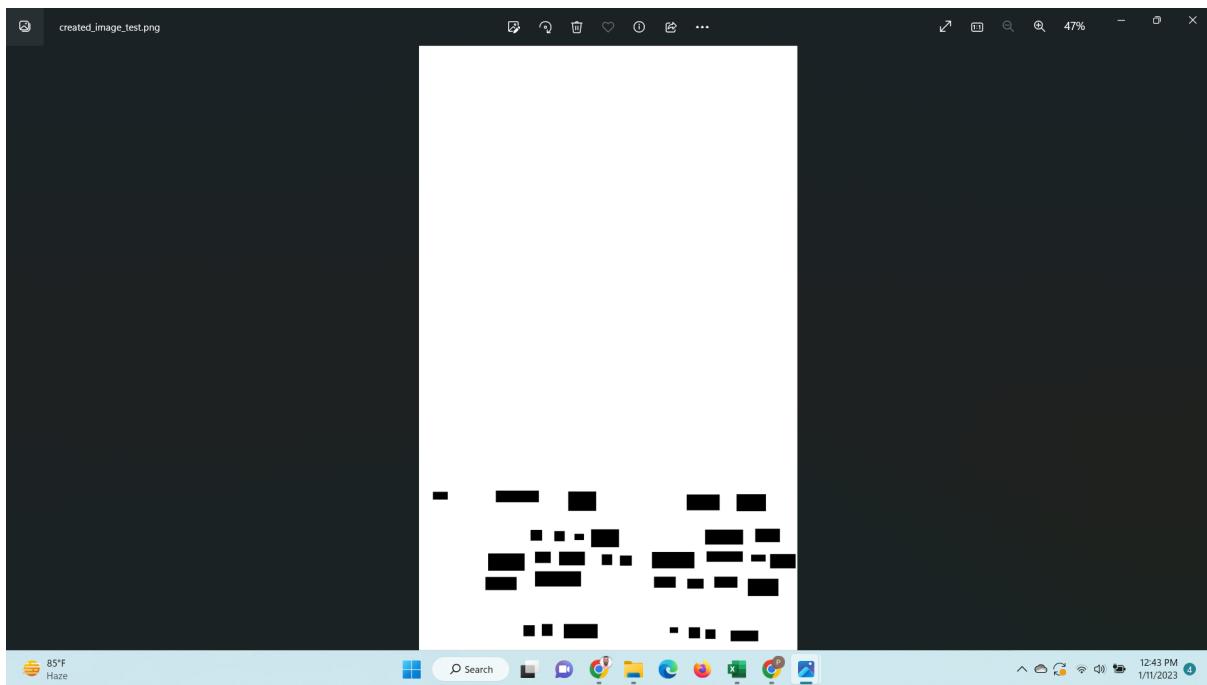
Initial raw image:



The required question number is found and the bounding box is drawn for the tabular question using the tesseract response file.

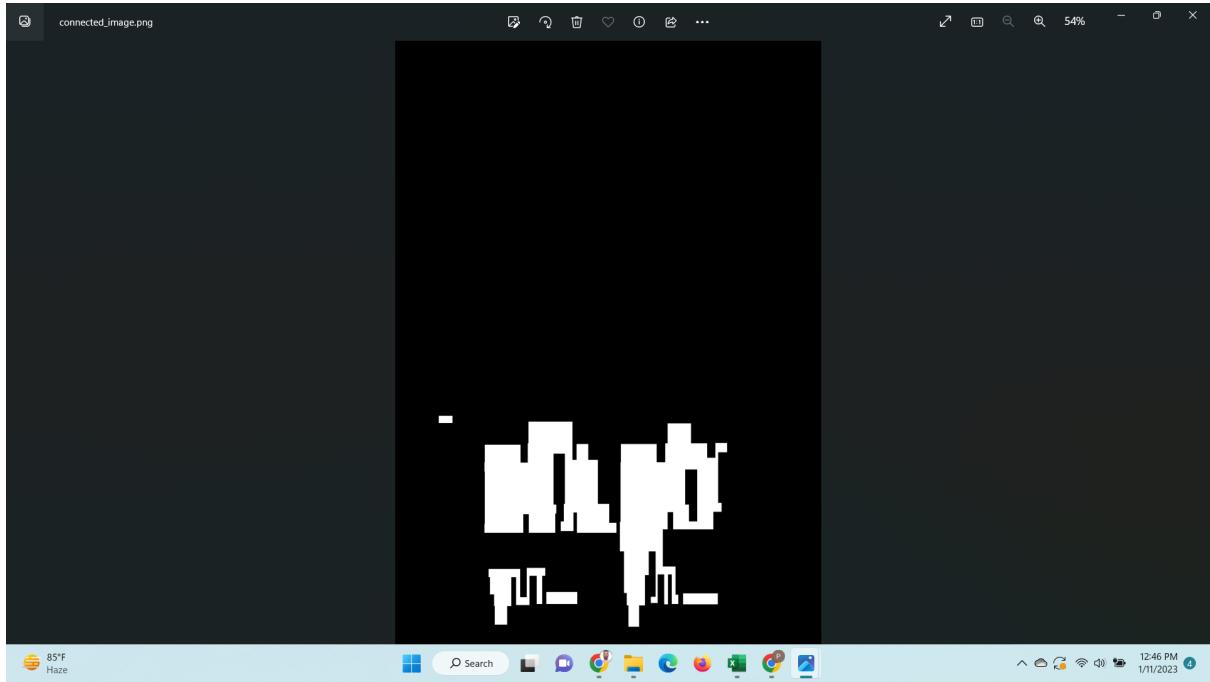


Then the image is recreated with the exact page dimensions



```
kernel = cv2.getStructuringElement(cv2.MORPH_RECT, (5,100))
```

This is the code which combines the word bounding boxes together where x threshold is 5 and y threshold is 100



This is how the word bounding boxes are connected together as a column.

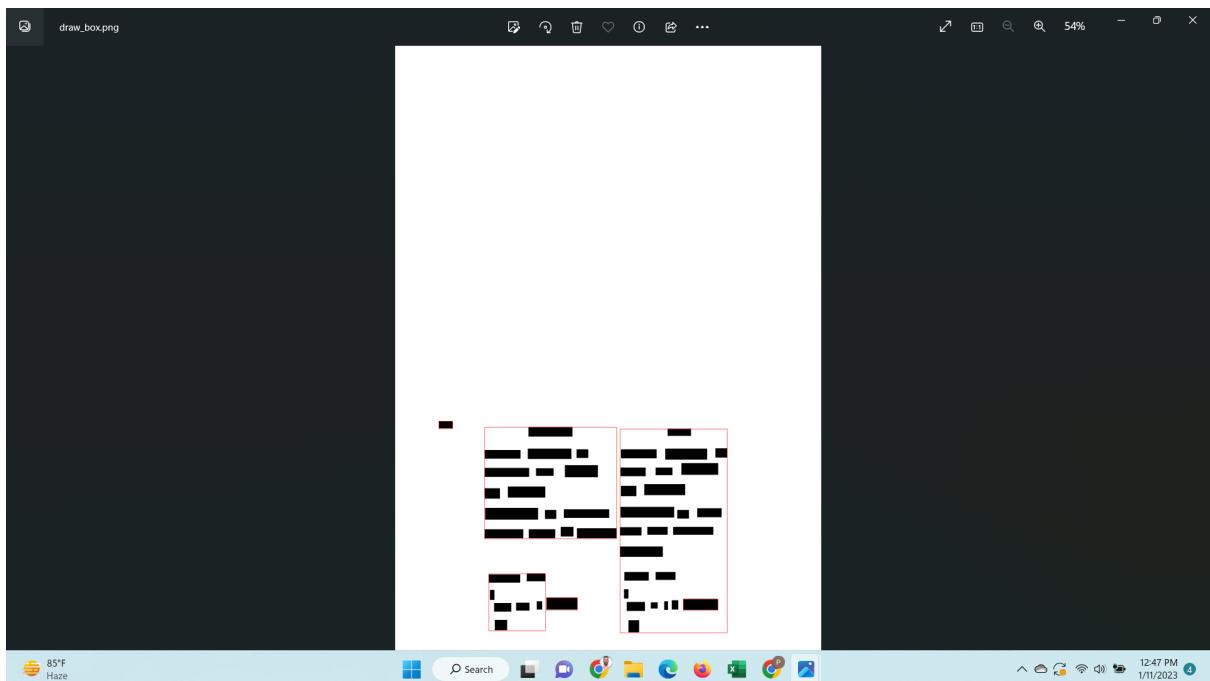


Image after the columns are detected.

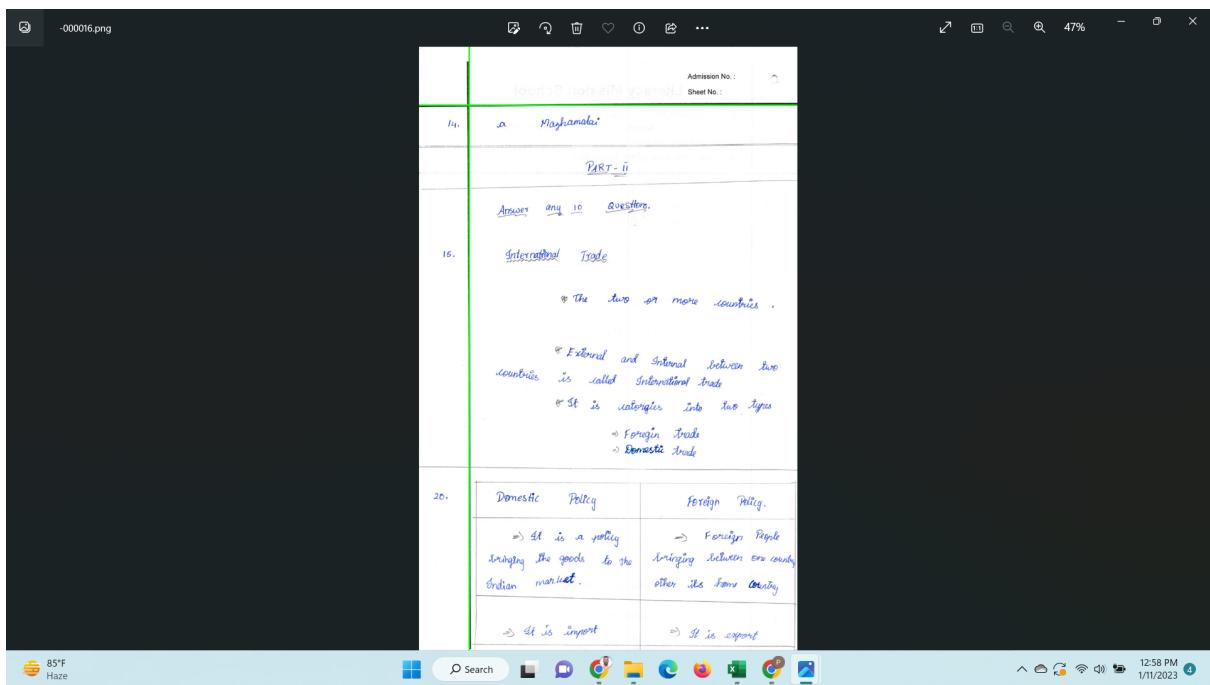
Post Processing is done to identify actual columns.

And the final column coordinates are used to find the midpoint between these columns and that line is then used to compare every word's bounding box to that line coordinate and the data is segregated.

And then the output is stored in a dictionary.

Final Output:

- Domestic Policy It is a policy bringing the goods to Indian market. It is import
- Foreign Policy. Foreign People the brirging between one country other its home Country = It is effort



Different test images:

19.

OUTPUT :

0
3
6
9
12

22.

POWER PACKED CLASS

- * Derived class is known as power packed class since it can have additional attributes and member functions.
- * According to OOPs, the new class and objects can take on the properties of the existing ones. Since, derived class is called the power packed class.

20.

STRUCTURE	CLASS
Member functions of structure are public by default	Member functions of class are private by default.
Declaration of structure allocate space in memory	Declaration of class does not consume memory
<code>struct test { int x; // public };</code>	<code>class test { int x; // private };</code>

STRUCTURE member functions of structure are public by default
Declaration of structure allocate space in memory struct test { int x;
11 nubric }

CLASS member functions of class are private by default Declaration of
class does not consume memory class test { int x ; 11 private };

43

<p><u>open source software</u></p> <p>software refers to a developed and tested through collaboration</p> <p>person with knowledge can access, redistribute inspect source code.</p>	<p><u>proprietary software</u></p> <p>software refers to solely owned by organisations or by individuals</p>
<p>IT not aimed to unskilled to person out of programming community.</p>	<p>owner or publisher who holds legal property rights of source can change</p>
<p>Project is managed by Programming community of developers and programmers.</p>	<p>IT focused on limited market of both skilled or unskilled persons.</p>
	<p>Project is managed by group of team, individually.</p>

open source software refers to a developed and tested through collection. A person with knowledge can redistribute, inspect, access, source code. It is not limited to persons outside of the programming community. The project is managed by a team of programmers and managers.

Proprietary software refers to software owned solely by organizations or individuals. The owner or publisher holds legal rights over the source code. Rights can change if focused on limited market. It is controlled by both skilled and unskilled versions. The project is managed by a group of learners individually.

24.

	E-COMMERCE	E-BUSINESS.
	<p>E-commerce is a subset of E-business. It is use internet less when compared to e-business.</p> <p>It is mostly used for inside of the country.</p>	<p>E-business has a high availability of internet connection.</p> <p>It is in world wide transaction for business to business.</p>

30.

There are 4 layers in EDI [electronic data interchange].

- * Transport layer.
- * Physical layer.
- * Semantic layer.
- * Data transmission layer.

E - COMMERCE E- commerce is a subset of E - business It is use internet less when compared to e- business It is mostly used for inside if the country

E . BUSINESS E- business has a high availability of internet connection. It is in world wide transaction for business to business

1105 A 032

Admission No. :

Sheet No. :

02

26

Guiding principle of Panchsheel:

- 1 mutual Non - Alignment
- 2 Mutual Non - Proliferation
- 3 Co - operation
- 4 mutual non-deterations.

27

Marine fishing	inland fishing.
1. Marine fishers are sea fishers	1. inland fishing are ground water fishing.
2. Marine fishing are sea, ocean.	2. inland fishing are tank, river, pond etc.

28

Indian Nuclear policy:

- 1 Non - proliferation and glorification are determined as Indian Nuclear policy
- 2 Nuclear policy program starts on 1970 to 1977.
- 3 The two theme of Indian nuclear policy are
 - 1 NO First use
 - 2 Minimum differences are creditable

Marine fishing 1 Marine fishers are Sea fishers 2 Marine fishing are Sea, ocean.

inlandfishing. inland fishing are ground water fishing. Inland fishing 2 are tank river, Pond etc

The following are the images that gave me wrong predictions and now these are corrected using some logic now these work really well too.

* Name your price sites is similar to normal retail products. In other words, the buyer negotiates the seller to buy product and services.

Example: <http://in.hostel.com>

43

Proprietary Software	Open source software
<ul style="list-style-type: none"> * Proprietary software refers to software that was developed by any person. 	<ul style="list-style-type: none"> * Open source software is a software that is used by individuals and organizations who developed it.
<ul style="list-style-type: none"> * Proprietary software is we want to buy and use 	<ul style="list-style-type: none"> * Open source software is freely available in the internet.
<ul style="list-style-type: none"> * Any person with academic knowledge can inspect, access, modify and interchange 	<ul style="list-style-type: none"> * Owner or publisher who holds legal document can access it

proprietary Software Proprietary software refers to software that was developed by any person properitory offward 08 we want to buy and use Any person with incadencic krowledge can irspect iccess modify and interchange

Open source software Open source software is a is oftware that is used buy individuals and organizations who developed it. x open Gruce software is freely available in the internet Owner or publisher who holds legal document can access it

43

Proprietary and open source software.

Open source software	Proprietary software
Open source software is to developed and testing in open collaboration	Proprietary software is developed by a individual or a team for organisation purpose
It can access by all academic person, education institutions and so on	It can access by only by the individual or a team developed who have the right.
The project managed by the developers and the programmer	The project managed by the individual or a team develop the software.
It is aimed to unskilled outside the programming information	It has limited market on skilled and unskilled in the organisation.
It provide freedom to the user so innovation grows	It not provide freedom so limited innovation.

Proprietary and Opensource software Opensource software is developed and testing in open collaboration It is access by all academic person education institutions and government - The project managed by the developers and the programs It is aimed to unskilled outside the programming information It provide freedom to the user so innovation grows

Open source software Proprietary software Proprietary software is developed by an individual or a team for organization purpose It can access by anyone by the individual or a team developed who have the right The project managed by the individual or a team develop the Software It has limited market on skilled and unskilled in the organization It does not provide freedom nor limited innovation.

27.

DOMAIN NAME and URL

DOMAIN NAME	URL
Domain name is a symbolic name with an IP address.	URL (Uniform Resource Locator) is a address of document on Internet.
Domain name is a sequence of label separated by dot.	URL has four parts- protocol, host name, file name and folder name.
Eq : https://edu.ftc. ftda.in/H	Eq : http://quora.com

29

CERTIFICATION AUTHORITIES:

- * Certificate are issued by recognized certification authorities.
- * When someone request for a certificate, authorities verifies the identity of the requester and if the requester fulfill its requirement the authority issues it.
- * When the sender wants certificate to sign, the receiver can sign

OPEN SOURCE SOFTWARE It refers to the software that developed and tested by the open source collaboration. Any person with academic knowledge can inspect, modify and redistribute the source code. The project is managed by developers or programs of it. The open source software is open source software which is available at free of cost. Eg. Microsoft WPS.

PROPRIETARY or IWARE It refers to the software solely owned by individual or group that developed it only by the owner or publisher who has legal right on the source code. The project is managed by a team or group who have developed it. We have to buy and use the proprietary software. Lotus eg. foundation Libre office writer.

e) Name your price site :

It is just like normal retail price. In contrast, the buyer negotiate the supplier for particular product or service. eg: <https://in.hotel.com>.

43

Proprietary and Open Source Software.

PROPRIETARY SOFTWARE	OPEN SOURCE SOFTWARE
It refers to software solely owned by individual or organisation developed it.	It refers to software which is developed and tested through open collaborations.
Only the publisher or who hold legal properties rights to access source code.	Anyone with academic knowledge can inspect, modify and redistribute of source code.
A project is managed by outside closed individual or team that developed	A project is managed by open source community of developers and programmers.
Their very aim was to have limited market with both skilled and unskilled users.	Their aim was not focus on unskilled users.

Proprietary and open PROPRIETORY SOFTWARE It refers to software solely owned by individual or organisation developed it. Only the publisher or who hold legal properties rights to access source code A project is managed by outside closed individual or team that developed. Their very aim was to have limited market with both skilled and unskilled users.

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43.

OPEN SOURCE SOFTWARE	PROPRIETARY SOFTWARE
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The project is managed by developers or programs of the open source software.	The project is managed by team or group who have developed it.
Open source software is a free software that is available at free of cost.	We share softbuy and use the proprietary software.
eg: Microsoft WPS	eg: Lotus foundation Libre office writer

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