Barcode Parsing

Problem Statement

The primary goal is to develop a robust and efficient system that can accurately decode Code 39 barcode information from digital images, assuming relatively good image quality and lighting. You task is to accurately identify and locate Code 39 barcodein an image, minimizing false positives and false negatives and out the decoded data.

Sample image below

Output : **GS2025**

Input Format

Guidelines

1. First line in the standard input represents the image to be used eg. image1.jpg

Sample Input

```
image2.jpg
```

Reading the Input

You can read the input as standard input.

To load the image, you can load it as following:

Python

```
//read from standard input filename = input() // get file if os.path.isfile(filename):
# Open the file
with open(filename, 'r') as file:
...
```

Java

```
import java.io.File;
...
// read from standard input Scanner scanner = new Scanner(System.in); String query =
scanner.nextLine(); // Get the image file
File file = new File("image1.jpg");
```

Constraints

Image constraints

1. All images are in jpg

Output Format

Guidelines

- Please output only the extracted Code 39 barcode data (the decoded string) in standard output. The symbology type is Code 39.

Sample Output

`GS2025`

Sample Input 0

```
image2.jpg
```

Sample Output 0

```
GS2025
```