# LetsGrowMore Data Science Internship

### Beginner Level - TASK 4

### Prediction using Decision Tree Algorithm:

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```
In [17]: #Importing Libraries
import cv2
import matplotlib.pyplot as plt
```

### Read the image in RBG format

```
In [18]: image = cv2.imread("CAR.jpg")
    cv2.imshow("Original image of the Plane", image)
    cv2.waitKey(0)

Out[18]: -1
```

### Converting the image to GrayScale Image

# Inversion of the Grayscale image

Out[16]:

Out[13]:

# Blurring the Inverted Grayscale

### Inverting the blurred Inverted Grayscale

```
cv2.imshow("Inverting the Blur Inverted Greyscale", Inverted_image)
cv2.waitKey(0)
```

Out[6]: -1

### Pencil sketch

Done by mixing the grayscale image with the inverted blurry image.

# Displaying both the original image and the pencil sketch

```
In [8]: cv2.imshow("Original Image of Car", image)
    cv2.imshow("pencil sketch of Car", pencil_sketch)
    cv2.waitKey(0)

Out[8]: -1
```