

My First Document

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1 Checkpoint 1 Introduction

Hello ! I am a CSE student. This semester I am taking a course on L^AT_EX, I am very exited.

1.1 More about this course

The formal name of this is Technical writing and presentation. In this course we will learn many things, but a significant part of this course is focused on L^AT_EX because we will use it as a tool for other assignments of this course.

1.2 Prerequisite of this course

There is no prerequisite for this course. Anyone with will to learn can dive into this course.

1.3 Summary

Importance of L^AT_EX see 1.1, for prerequisite see 1.2

2 Checkpoint 2 Typesetting Text

2.1 Font Effects

Scientific Name of rice is *Oryza sativa*.

Robert Frost famous quote “*Two roads diverged in a wood, and I – I took the road less traveled by*”.

PEOPLE’S REPUBLIC OF BANGLADESH

In case of emergency call 999.

```
def square(a):  
    return a*a
```

Rome didn’t fall in a day.

Scientific name of Mango is Mangifera indica.

2.2 Coloured Text

Apple

Banana

Pomegranate

2.3 Font Sizes

Scientific classification of Bengal tiger.

Subspecies: *P.t tigris*

Species: *p.tigris*

Genus: *Panthera*

Subfamily: Pantherinae

Family: Felidae

Suborder: Felifomia

Order: Carnivora

Class: Mammalia

Phylum: Chordata

2.4 Lists

Continents of the World.

1. North America
 2. South America
 3. Europe
 4. Africa
 5. Asia
 - North Asia
 - Central Asia
 - Western Asia
 - South Asia
 - East Asia
 - Southeast Asia
 6. Australia
 7. Antarctica
- + positive
- negative
- Fish Hilsha.
- Plant Banyan.

2.5 Comments Spacing

*“ It was the best of times,
it was the worst of times,
it was the age of wisdom,
it was the age of foolishness,
it was the epoch of belief,
it was the epoch of incredulity,
it was the season of light,
it was the season of darkness,
it was the spring of hope,
it was the winter of despair.”*

2.6 Special Characters

The car #1\A costs \$ 120000 is sold at a ~10% profit.

3 Checkpoint 3 Tables

| Item | Quantity | Price(\$) |
|---------|----------|-----------|
| Mangoes | 10 Kg | 20 |
| Apples | 2 Kg | 5 |
| Oranges | 1 Kg | 5 |

| City | Year | | |
|----------|--------|--------|--------|
| | 2006 | 2007 | 2008 |
| Dhaka | 242424 | 43535 | 55123 |
| New York | 100234 | 120432 | 110234 |
| Tokyo | 85673 | 90556 | 87234 |

4 Checkpoint 4 Figures

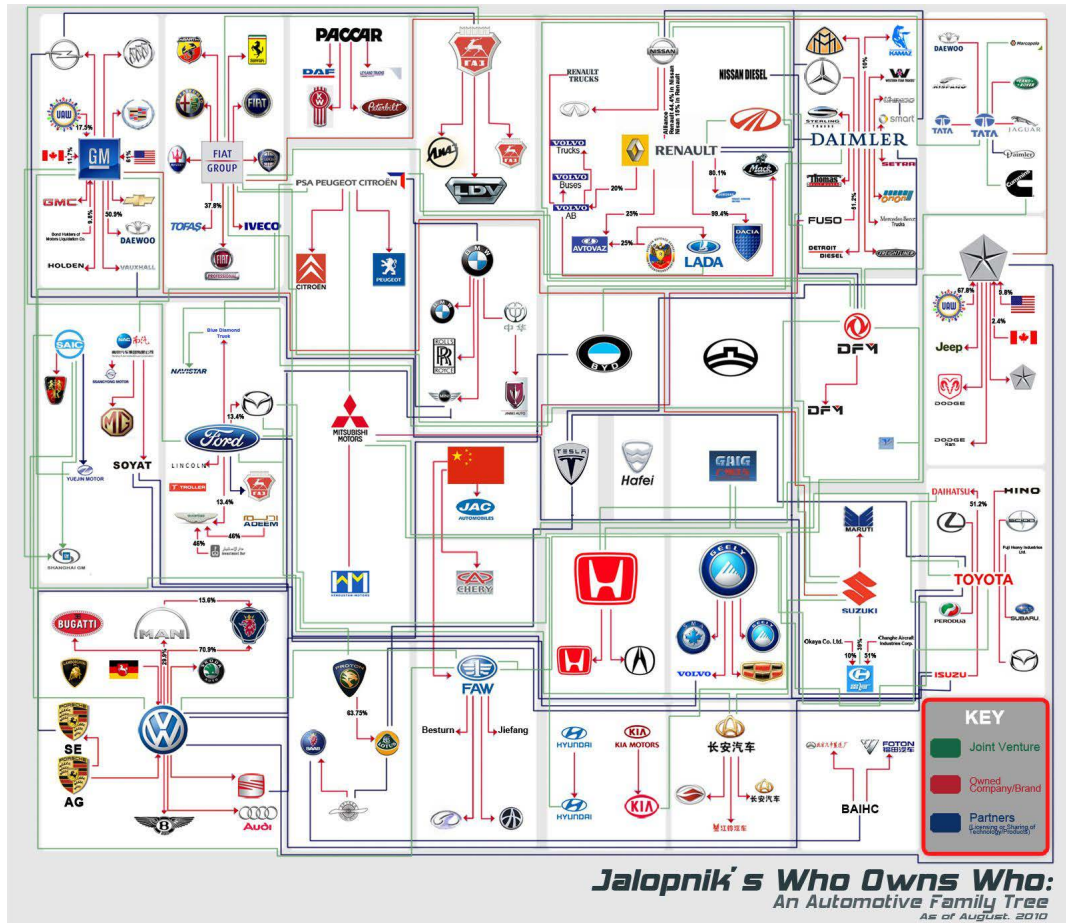


Figure 1: Car Companies

5 Checkpoint 5 Equations

$$e = mc^2 \tag{1}$$

$$\pi = \frac{c}{d} \tag{2}$$

$$\frac{d}{dx}e^x = e^x \tag{3}$$

$$\frac{d}{dx} \int_0^\infty f(s)ds = f(x) \tag{4}$$

$$f(x) = \sum_i = 0^\infty \frac{f^{(i)}(0)}{i!} x^i \tag{5}$$

$$x = \sqrt{\frac{x_i}{z}} y \tag{6}$$

$$\begin{bmatrix} 1 & 2 & 3 & 4 & 5 \\ 6 & 7 & 8 & 9 & 10 \\ 11 & 12 & 13 & 14 & 15 \\ 16 & 17 & 18 & 19 & 20 \\ 21 & 22 & 23 & 24 & 25 \end{bmatrix} \tag{7}$$

6 Checkpoint 6 Reference

Let's cite some papers ...

1. paper number 1[1]

A computer vision book with very high citation.[3]

A paper on home networking.[2]

read about impact of parallel computing and distributed system in cybersecurity.[4].

learn about deep learnign and cybersecurity.[5]

References

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