**Problem Statement:**

Every student needs a laptop. One has to figure out which laptop to buy according to his/her needs, and a lot of factors play a role in this choice. Some might prefer Mac OS; others might have touchscreen as their priority or it could be that the student is an avid gamer.

Provided that one is clear about their preferences, then comes the most important factor, the price. If I want so and so configurations from a laptop, what should be its price? How do I decide that am I paying the right price or I'm paying more than needed.

There are multiple websites to buy laptops, all have different preferences and prices. There needs to be a system where I put in the configurations that I need and I get the most accurate price prediction which will help me to decide where and when to buy.

That's what we are going to build, a model that will take configurations as input and give the most accurate price as the output.

**About the Dataset:**

This dataset contains a curated list of laptops of all variety and edge cases, covering the needs of any specific choice to be made by a student or a professional.

It contains columns like:

**Company**

**TypeName (**Ultrabook, Notebook)

I**nches**

**Screen Resolution (**To be broken down into sub-columns)

**CPU (**Processor)

**Ram**

**Memory (**Secondary memory)

**GPU (**Graphical Processing unit)

**OS**

**Weight**

The class label is **Price.**

Hence it serves our purpose where at the end we will be able to give the user multiple variety of options to choose what they want their laptop to have and can predict the reasonable price.

I’ve downloaded the dataset from GitHub.

**Link**:
https://github.com/37Degrees/DataSets/blob/master/laptops.csv