Mobile Price Analytics

# Problem Statement

Bob has started his own mobile company. He wants to give tough fight to big companies like Apple, Samsung etc.

He does not know how to estimate price of mobiles his company creates. In this competitive mobile phone market, you cannot simply assume things. To solve this problem, he collects sales data of mobile phones of various companies.

Bob wants to find out some relation between features of a mobile phone (eg: - RAM,Internal Memory etc) and its selling price. But he is not so good at Machine Learning. So, he needs your help to solve this problem.

In this problem you do not have to predict actual price but a price range indicating how high the price is

# About Data

This dataset contains information about Price and Specifications of smartphones.

## Column details

**DeviceName:** *Name of the device*

**Brand:** *Device’s Brand*

**CPU:** *Specification of CPU*

**Status:** *Device available now or not*

**Body\_c:** *Type of mobile body*

**\_3\_5mm\_jack:** *3.5mm**jack present or not (Yes or No)*

**Talk\_time:** *Number of hours of talktime*

**\_4g\_bands:** *Type of 4g Brand*

**Weight:** *weight of the device*

**Resolution:** *Screen resolution*

**Announced:** *Data of mobile announced*

**Price:** *Price of the mobile*

# Things to do

1. Clean the data.
2. Visualize the data and find some interesting insights.
3. Build a machine learning model to predict the price of the mobile based on specifications.