

# Assignment - Predict Profit of Startup.

```
In [1]: 1 import pandas as pd
2 import numpy as np
3 from sklearn.model_selection import train_test_split
4 from sklearn.linear_model import LinearRegression
5 from sklearn.metrics import mean_squared_error, r2_score
6
7 data = {
8     'R&D Spend': [165349.2, 162597.7, 153441.51, 144372.41, 142107.34, 131876.9,
9     'Administration': [136897.8, 151377.59, 101145.55, 118671.85, 91391.77, 134615.46,
10    'Marketing Spend': [471784.1, 443898.53, 407934.54, 383199.62, 366168.42, 120542.52,
11 }
```

```
In [2]: 1 data
```

```
Out[2]: {'R&D Spend': [165349.2,
162597.7,
153441.51,
144372.41,
142107.34,
131876.9,
134615.46,
130298.13,
120542.52,
123334.88,
101913.08,
100671.96,
93863.75,
91992.39,
119943.24,
114523.61,
78013.11,
94657.16,
91749.16,
366168.42]}
```

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In [ ]: 1
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