Handling Date & Department Column

- **Date Column:** Converted into numerical features like tenure (days/months in the company).

- **Department Column:** Categorical, so it's encoded using One-Hot Encoding or Label Encoding.

```
[ ]  dataframe['date'] = pd.to_datetime(dataframe['date'])
```

```
[ ]  dataframe.date
```

	date
0	2015-01-01
1	2015-01-01
2	2015-01-01
3	2015-01-01
4	2015-01-01
...	...
1192	2015-03-11
1193	2015-03-11
1194	2015-03-11
1195	2015-03-11
1196	2015-03-11

1197 rows × 1 columns

dtype: datetime64[ns]

```
dataframe['month']=dataframe['date'].dt.month
dataframe.drop(['date'],axis =1, inplace = True)
```

```
[ ]  dataframe.month
```

	month
0	1
1	1
2	1
3	1
4	1
...	...
1192	3
1193	3
1194	3
1195	3
1196	3

1197 rows × 1 columns