Insurer Term

June 4, 2022

[1]:
```
import pymysql
import pandas as pd
import sqlalchemy
from datetime import date
```

[2]:
```
conn=pymysql.
 ↪connect(host='localhost',port=int(3306),user='root',passwd='password',db='Hospital_DB')
```

[3]:
```
df=pd.read_sql_query("select * from Insurer",conn)
print(df.head())
```

```
   InsuranceID                    CompanyName                InsuranceName  \
0         1001  Aegon Life Insurance Co. Ltd.  Individual Health Insurance
1         1002  Edelweiss  Life Insurance Co.      Family Health Insurance
2         1003   Birla Sun Life Insurance Co.   Critical illness Insurance

    StartDate     EndDate EffectiveDate  InsuranceBaseAmount InsuranceStatus  \
0  2020-01-01  2036-01-01    2020-01-15               200000          Active
1  2020-01-03  2039-01-03    2020-03-15               300000          Active
2  2020-02-05  2041-02-05    2020-05-17               400000          Active

   Term  TopupAmount  InsuranceCover
0    15       200000               4
1    18       300000               3
2    20       150000               3
```

[4]:
```
df["StartDate"]=pd.to_datetime(df["StartDate"])
df["EndDate"]=pd.to_datetime(df["EndDate"])
```

[5]:
```
df["StartDate"].dt.year
```

[5]:
```
0    2020
1    2020
2    2020
Name: StartDate, dtype: int64
```

[6]:
```
df["EndDate"].dt.year
```

[6]:
```
0    2036
1    2039
2    2041
Name: EndDate, dtype: int64
```

[7]:
```
data=pd.DataFrame({'Insurer_Term':df["EndDate"].dt.year-df["StartDate"].dt.
↪year})
```

[8]:
```
data
```

[8]:

	Insurer_Term
0	16
1	19
2	21

[ ]:
```

```