DOB

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 Patient",conn)
print(df.head())
```

```
   PatientID  InsuranceID FirstName    LastName Gender         DOB  \
0      45098         1003    Akriti       Singh      F  2002-05-09
1      45099         1003    Pritam  Bannerjee       M  2001-02-02
2      45100         1003     Salim        Khan      M  2001-06-09
3      45101         1003    Yasoof      Akhtar      M  2000-08-07
4      45102         1003   Wahida        Begum      F  2003-07-08

      PhoneNo Nationality  HospitalID InsuranceType  \
0  8908908398      Indian       90001      Longterm
1  9087988092      Indian       90003    Short term
2  9900887766      Indian       90005     Long term
3  9988455767      Indian       90002     Long term
4  9090123467      Indian       90003    Short term

                          Address  Country
0          23- asp road  kolkata 64  India\r
1  12- sp Mukherjee road kolkata 87  India\r
2            34- roy road howrah 34  India\r
3        34 chellam road Chennai 01  India\r
4       46 bb roy road karnataka 04  India\r
```

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

[4]:
```
0     2002-05-09
1     2001-02-02
2     2001-06-09
```

```
3     2000-08-07
4     2003-07-08
         …
145   1984-04-04
146   1993-11-25
147   1999-08-26
148   1988-01-20
149   2005-05-18
Name: DOB, Length: 150, dtype: datetime64[ns]
```

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

[5]:
```
0      2002
1      2001
2      2001
3      2000
4      2003
       …
145    1984
146    1993
147    1999
148    1988
149    2005
Name: DOB, Length: 150, dtype: int64
```

[6]:
```
today=date.today()
data=pd.DataFrame({'Patient_age':today.year-df["DOB"].dt.year})
```

[7]:
```
data
```

[7]:
```
     Patient_age
0             20
1             21
2             21
3             22
4             19
..           …
145           38
146           29
147           23
148           34
149           17

[150 rows x 1 columns]
```

[ ]:
```

```