Exp 6 Binarization

Binarizar

```
import sklearn
```

```
from sklearn import preprocessing
```

```
from sklearn.preprocessing import Binarizer
```

```
import pandas as pd
```

```
std_training = {
    'name':["Abhijeet","Abhinav","Abhiraj","Abhishekh"],
    'A_DP':[40,70,90,10],
    'A_DSA':[55,70,90,100],
    'A_DMGT':[30,20,2,10],
    'A_CAO':[44,35,90,10]
}
```

```
data1 = pd.DataFrame(std_training)
```

```
DP = data1.iloc[:,1].values
DSA= data1.iloc[:,2].values
DMGT = data1.iloc[:,3].values
CAO = data1.iloc[:,4].values
```


```
DP_r = DP.reshape(-1,1)
DSA_r= DSA.reshape(-1,1)
DMGT_r = DMGT.reshape(-1,1)
CAO_r = CAO.reshape(-1,1)
```

```
B = Binarizer(threshold= 35)
```

```
T_DP = B.fit_transform(DP_r)
T_DSA = B.fit_transform(DSA_r)
T_DMGT = B.fit_transform(DMGT_r)
T_CAO = B.fit_transform(CAO_r)
```

```
T_DP
```

```
    array([[1],
           [1],
           [1],
           [0]])
```

T_DSA

```
    array([[1],
           [1],
           [1],
           [1]])
```

T_DMGT

```
    array([[0],
           [0],
           [0],
           [0]])
```

T_CAO

```
    array([[1],
           [0],
           [1],
           [0]])
```