```
import pandas as pd
import numpy as np
import datetime
import matplotlib as plt
Dates = ["2018-08-14", "2019-10-17", "2020-11-14", "2020-05-17", "2021-09-
15", "2021-12-14"]
Courses =["Spark","PySpark","Hadoop","Python","Pandas","Hadoop"]
df = pd.DataFrame({'InsertedDate':
pd.to datetime(Dates)},index=Courses)
print("DataFrame:\n", df)
DataFrame:
         InsertedDate
Spark
          2018-08-14
          2019-10-17
PySpark
Hadoop
          2020 - 11 - 14
Python
          2020-05-17
Pandas
          2021-09-15
          2021-12-14
Hadoop
df['Year'] = df['InsertedDate'].dt.strftime('%Y')
df['Month'] = df['InsertedDate'].dt.strftime('%m')
df['Amount']=[10000,20000,50000,5000,8000,7000]
df
#print("Get month and year from datetime column:\n", df)
        InsertedDate Year Month
                                   Amount
Spark
          2018-08-14
                      2018
                               80
                                    10000
PySpark
          2019-10-17
                     2019
                               10
                                    20000
          2020 - 11 - 14
                      2020
                               11
                                    50000
Hadoop
Python
          2020-05-17
                      2020
                               05
                                     5000
Pandas
          2021-09-15
                      2021
                               09
                                     8000
          2021-12-14 2021
Hadoop
                               12
                                     7000
df.set index(['Year'])
     InsertedDate Month Amount
Year
                      80
                           10000
2018
       2018-08-14
2019
                      10
       2019-10-17
                           20000
2020
       2020-11-14
                     11
                           50000
2020
       2020-05-17
                     05
                            5000
2021
       2021-09-15
                     09
                            8000
2021
       2021-12-14
                     12
                            7000
df.groupby(['Year','Month'])['Amount'].sum().plot()
<Axes: xlabel='Year,Month'>
```

