

**A PROJECT
On
STUDENT DATABASE ANALYSIS USING PYTHON**

BACHELOR OF TECHNOLOGY

By

DEPARTMENT OF DATA SCIENCE

PACHIPULUSU MANOHAR 21KP1A4472

Under the esteemed Guidance of

Er. S AKSHAY KUMAR

CS CODENZ



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GUDIVADA – 521 323, ANDHRA PRADESH., INDIA

2022-2023

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2022-2023

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CERTIFICATE

This is to certify that dissertation entitled "**STUDENT DATABASE ANALYSIS**" submitted by **PACHIPULUSU MANOHAR (21KP1A4472)** in the **BACHELOR OF TECHNOLOGY** from **CS CODENZ** is a record of Bonafide work carried out by them under my guidance and supervision during the year of 2022-2023.

Signature of the Supervisor

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Signature of the HOD

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Data Science, NRIIT

DECLARATION

I **PACHIPULUSU MANOHAR (21KP1A4472)** declared that the dissertation report entitled “**STUDENT DATABASE ANALYSIS**” is no more than 1,00,000 words in length including quotes and exclusive of tables, figures, bibliography, and references.

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Name

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Date:

Place:

ACKNOWLEDGEMENT

This report dissertation could not have been written without the support of our guide **Er. S AKSHAY KUMAR, CS CODENZ** who not only served as our superior but also encouraged and challenged us throughout our academic program our foremost thanks goes to him. Without his dissertation would not have been possible. We appreciate him vast knowledge in many areas, and his insights, suggestions and guidance that helped to shape our research skills

It is needed with a great sense of pleasure and immense sense of gratitude that we acknowledge the help of these individuals. We owe many thanks to many people who helped and supported us during the writing of this report

We are thankful to our project coordinator **Er. S AKSHAY KUMAR, CS CODENZ**, for his continuous support

We express our sincere thanks to our respected for bet valuable suggestion and constant motivation that greatly helped us in successful completion of project We also take the privilege to express our heartfelt gratitude to **Er. S AKSHAY KUMAR, CS CODENZ**

We are thankful to all faculty members for extending their kind cooperation and assistance Finally, we are extremely thankful to our parents and friends for their constant helped moral support

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ABSTRACT

The Primary objective of this “**STUDENTS DATABASE ANALYSIS**” is to collecting the student data from different branches and analyze the data and grouping them based on their marks, age, branch and ranking them based on marks and visualizing the data.

The project is mainly for understanding what is Data analysis and visualization. we perform various Data Visualization and Analysis tasks on the taken Student dataset.

REQUIREMENTS

HARDWARE REQUIREMENTS

- Personal Computer / Laptop with RAM (8 GB), ROM (512 GB) and Processor (Intel i7)
- Good latency internet access

SOFTWARE REQUIREMENTS

- Basic Search Engine (Google)
- MICROSOFT WORD
- MICROSOFT EXCEL
- JUPYTER NOTEBOOK

FUNCTIONAL REQUIREMENTS

- Help in manipulating data and easy process.
- Graphical representation of Datasets

DESCRIPTION

Data Analytics is a process of scrutinizing the data to obtain accurate results. In data analytics the main purpose is extracting the original data from data. In this data analytics we need to perform the major that is data munging.

DATA MUNGING

It is a process of transferring unstructured data into structured format. The goal is to make the data more usable and valuable for analytics or other purposes.

STEPS OF DATA ANALYSIS

1. Collecting the data
2. Cleaning the data
3. Analyzing the data
4. Sharing your results
5. Summary

CODE

1) COLLECTING THE DATA

Pandas - Helps to create a dataset and it is also a library in python.

Pandas Package – It's a group of Panal Data's which are used to analyze the labelled data and relational data.

Series – A series is a method of pandas and labelled data. Series are nothing but columns in Excel sheet.

CREATING SERIES-

```
import pandas as pd  
a=[10,20,30,'a',50]  
b=pd.Series(a)  
print(b)
```

```
0    10  
1    20  
2    30  
3    a  
4    50  
dtype: object
```

```
import pandas as pd  
a=[10,20,30,40,50]  
b=pd.Series(a)  
print(b)
```

```
0    10  
1    20  
2    30  
3    40  
4    50  
dtype: int64
```

MATPLOTLIB-

Matplotlib is a comprehensive library for creating static, animated, and interactive visualizations in Python. It's widely used for plotting various types of graphs, charts, histograms, scatter plots, and more. Matplotlib is highly customizable, allowing users to control almost every aspect of the visualization, including line styles, colors, labels, fonts, and axes.

```
import matplotlib.pyplot as plt

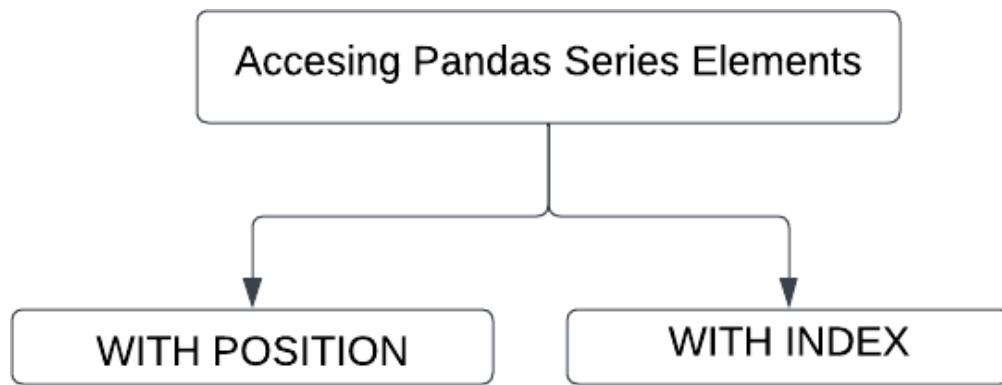
# Sample data
x = [1, 2, 3, 4, 5]
y = [2, 3, 5, 7, 11]

# Create a plot
plt.plot(x, y)

# Add title and labels
plt.title('Simple Line Plot')
plt.xlabel('X-axis')
plt.ylabel('Y-axis')

# Display the plot
plt.show()
```

This code will generate a simple line plot with the given data points. Matplotlib offers extensive documentation and examples on its website, which can help users explore its capabilities and learn how to create various types of visualizations



ACCESSING WITH POSITION-

```
#SLICING
import pandas as pd
a=[10,20,30,40,50]
b=pd.Series(a)
print(b[-2:])
```

```
3    40
4    50
dtype: int64
```

```
#SLICING
import pandas as pd
a=[10,20,30,40,50]
b=pd.Series(a)
print(b[-4:-2])
```

```
1    20
2    30
dtype: int64
```

```
import pandas as pd
a=[10,20,30,40,50]
b=pd.Series(a)
print(b[2:])
```

```
2    30
3    40
4    50
dtype: int64
```

ACCESSING WITH INDEX-

```
import pandas as pd
a=[10,20,'CS',40,50]
b=pd.Series(a,index=['!', '@', '#', '$', '%'])
print(b)
print("-----")
print(b['@'])
```

```
!
   10
@
   20
#
   CS
$
   40
%
   50
dtype: object
-----
20
```

DATAFRAME

A data frame is a 2D data structure in which we store data in the form of tables. [rows x columns]

We can create a table via Data Frame i.e., known as DATASET.

CREATING A DATASET-

```
#creating empty data set
import pandas as pd
a=pd.DataFrame()
print(a)
```

```
Empty DataFrame
Columns: []
Index: []
```

Creating data set using list-

```
#creating dataframe by using list
import pandas as pd
a=[10,20,30,40,50]
b=pd.DataFrame(a)
print(b)
```

```

0
0  10
1  20
2  30
3  40
4  50
```

Creating data set using Dict-

```
#creating using DICT
import pandas as pd
x=[{'a':10,'b':20,'c':30}]
y=pd.DataFrame(x)
print(y)
```

```
   a    b    c
0  10   20   30
```

```
#creating using DICT
import pandas as pd
x=[{'a':10,'b':20,'c':30}]
y=pd.DataFrame(x)
print(type(y))
```

```
<class 'pandas.core.frame.DataFrame'>
```

Creating dataset using Series

```
import pandas as pd
a=[10,20,30,40]
b=pd.Series(a)
c=pd.DataFrame(b)
print(c)
```

```
      0
0    10
1    20
2    30
3    40
```

CREATION OF DATASET-

Data set example

| Email address | STUDENT NAME | ROLL NUMBER | FATHER NAME |
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| shaiksakina05@gmail.com | Shaik sameer | 21KP1A44A3 | Shaik Rahim babu |
| us465249@gmail.com | S sk usman | 21KP1A4492 | S sk mastan vali |

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import plotly.express as px
Data=pd.read_excel('dsdbx.xlsx') #Reading data from Excel file
print(Data)
```

| | Timestamp | Email address \ |
|---|-------------------------|-------------------------------|
| 0 | 2023-06-13 14:24:58.772 | vennachandana1@gmail.com |
| 1 | 2023-06-13 14:25:15.609 | adilakshmi4765@gmail.com |
| 2 | 2023-06-13 14:25:50.957 | srawankumar7156@gmail.com |
| 3 | 2023-06-13 14:26:01.824 | sandeepyeruva1124@gmail.com |
| 4 | 2023-06-13 14:26:13.848 | sivajibejjanki@gmail.com |
| 5 | 2023-06-13 14:26:23.424 | ramyayalabolu123r@gmail.com |
| 6 | 2023-06-13 14:27:05.330 | charithareddy3914@gmail.com |
| 7 | 2023-06-13 14:27:16.973 | gayathripolepalli70@gmail.com |

| | | | |
|----|------------|--------------|--------------------------------------|
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| 10 | 2023-06-13 | 14:28:10.559 | tammasaithil1@gmail.com |
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| 12 | 2023-06-13 | 14:28:43.092 | shaikkarishma811@gmail.com |
| 13 | 2023-06-13 | 14:28:57.412 | kumarvalaparla890@gmail.com |
| 14 | 2023-06-13 | 14:30:05.091 | patchachinnu3@gmail.com |
| 15 | 2023-06-13 | 14:30:05.577 | manu952041@gmail.com |
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| 18 | 2023-06-13 | 14:33:16.842 | us465249@gmail.com |
| 19 | 2023-06-13 | 14:36:46.844 | vallu.srinu756939@gmail.com |
| 20 | 2023-06-13 | 14:34:05.142 | undelachandraobulareddy@gmail.com21 |
| | 2023-06-13 | 14:32:17.269 | farukh.786syed@gmail.com |
| 22 | 2023-06-13 | 14:33:08.038 | anushayalabolu12@gmail.com 23 |
| | 2023-06-13 | 14:33:16.147 | madhulathasure9@gmail.com |
| 24 | 2023-06-13 | 14:34:00.504 | thammisettyssrikanthraj9@gmail.com25 |
| | 2023-06-13 | 14:34:24.599 | shiakmomin2002@gmail.com |
| 26 | 2023-06-13 | 14:34:24.985 | abdulkhadar6842@gmail.com |
| 27 | 2023-06-13 | 14:34:31.602 | ravuakshaya@gmail.com |
| 28 | 2023-06-13 | 14:34:41.989 | hemasanjushasanikommu828@gmail.com |
| 29 | 2023-06-13 | 14:34:52.277 | ynagasasikumar@gmail.com |
| 30 | 2023-06-13 | 14:35:26.194 | rahamtunnisashaik09@gmail.com |
| 31 | 2023-06-13 | 14:37:08.022 | harikabangaram313@gmail.com |
| 32 | 2023-06-13 | 14:37:44.545 | indupriya72216@gmail.com |
| 33 | 2023-06-13 | 14:37:53.042 | bhavyasrisajja2003@gmail.com |
| 34 | 2023-06-13 | 14:38:20.561 | sudhamshavejendla@gmail.com 35 |
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| 38 | 2023-06-13 | 14:44:45.168 | abdulabdul22070@gmail.com |
| 39 | 2023-06-13 | 14:45:56.606 | jaffershaik718@gmail.com |
| 40 | 2023-06-13 | 14:50:28.282 | rabbanishaik7356@gmail.com |
| 41 | 2023-06-13 | 15:01:15.615 | reshmayalamanchi@gmail.com |
| 42 | 2023-06-13 | 15:04:23.806 | thiriveedhinagajyothi@gmail.com |
| 43 | 2023-06-13 | 15:16:34.142 | paladugudurga1@gmail.com |
| 44 | 2023-06-13 | 17:37:00.290 | saidashaik371@gmail.com |
| 45 | 2023-06-13 | 20:39:54.489 | mvkbn1312@gmail.com |
| 46 | 2023-06-13 | 20:49:03.330 | nrajasambasivarao@gmail.com 47 |
| | 2023-06-14 | 09:22:24.620 | saisairam068@gmail.com |
| 48 | 2023-06-14 | 09:34:41.202 | sriharshanallabothu@gmail.com |
| 49 | 2023-06-14 | 09:37:41.272 | bhuvanstarpuli@gmail.com |
| 50 | 2023-06-14 | 09:37:48.696 | arundathi0508@gmail.com |
| 51 | 2023-06-14 | 09:38:10.231 | chinnivignesh144@gmail.com |

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| 3 | Yeruva sandeep reddy | 21KP1A44D1 | Yeruva Ajay Kumar reddy |
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| 9 | T.SOWJANYA | 21KP1A44B6 | T.SAMBA SIVA RAO |
| 10 | Tamma Sahithi | 21KP1A44B0 | Tamma krishna reddy |

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| 11 | PODILI LAKSHMISARAYU | 21KP1A4480 | PODILI RAMESH |
| 12 | shaik karishma | 21KP1A4496 | SHAIK BAJI |
| 13 | Venkata Aravind Kumar.V | 21KP1A44C0 | Veeraswamy.v |
| 14 | Patcha Jaswanth | 21KP1A4477 | Patcha apparao |
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| 16 | Raghava | 21KP1A44C3 | Srinivasa reddy |
| 17 | Shaik sameer | 21KP1A44A3 | Shaik Rahim babu |
| 18 | S sk usman | 21KP1A4492 | S sk mastan vali |
| 19 | Vallu Srinu Siva Subrahmanyam | 21KP1A44C1 | Vallu Srinivasa Rao |
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| 36 | Nikhitha Rayapati | 21KP1A4487 | Rayapati hanumathrao |
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| 38 | Syed.Abdul Rehaman | 21KP1A44A6 | Syed.Meera Sharif |
| 39 | Jaffer shaik | 21KP1A4495 | shaik.LaiLaha |
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| 41 | Reshma yalamanchi | 21KP1A44C9 | Yalamanchi subba Rao |
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| 44 | SHAIK SAIDA ANWAR BASHA | 21KP1A44A2 | SHAIK KUDHAN VALI |
| 45 | R.M.V.K.Brahma Naidu | 21KP1A4489 | Yedukondalu |
| 46 | Narra Raja Samba Siva Rao | 21KP1A4471 | Narra SrinivasaRao |
| 47 | Sairam | 21kp1a44b4 | Venkata subbiah |
| 48 | Nallabothu. Sri Harsha | 21KP1A4469 | Nallabothu. Anjaneyulu |
| 49 | Puli bhuvaneswar | 21KP1A4484 | Puli mallikarjuna |
| 50 | PANDA UMA ARUNDATHI | 21KP1A4474 | PANDA NARAYANA RAO |
| 51 | chinni vignesh teja yadav | 21KP1A44C6 | Chinni Pratap Kumar |

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| 0 | Venna Lakshmidevi | DS | 8 | 19 | |
| 1 | N.Sri Lakshmi | CSE | 83 | 19 | |
| 2 | Venkateswaramma | MECH | 7 | 20 | |
| 3 | Yeruva Anjali Devi | CSE | 9.5 | 20 | |
| 4 | B.veramma | DS | 0.72 | 23 | |
| 5 | Y Lakshmi Rajyam | DS | 80 | 19 | |
| 6 | P.Kavitha | DS | 70 | 19 | |
| 7 | POLEPALLI.SRIDEVI | DS | 10 | 19 | |
| 8 | Syed Naseema | MECH | 8 | 19 | |
| 9 | T.ARUNA KUMARI | DS | 8 | 19 | |
| 10 | Tamma Padmavathi | DS | 7.7 | 19 | |
| 11 | PODILI ADILAKSHMI | DS | 7.5 | 19 | |
| 12 | SHAIK KHADRUN | DS | 9 | 19 | |
| 13 | Lakshmi.v | DS | 0.98 | 20 | |
| 14 | Patcha sukanya | CSE | 0.99 | 20 | |

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| 15 | Pachipulusu Bhavani | MECH | 8.5 | 19 |
| 16 | Jyothi | DS | 7 | 19 |
| 17 | Shaik Raziya | DS | 80 | 20 |
| 18 | Mahabobba | DS | 50 | 19 |
| 19 | Vallu Surya kumari | DS | 73 | 20 |
| 20 | Undela GuruLakshmi | DS | 9.2 | 20 |
| 21 | SYED.SARTHAJ BEGUM | DS | 0.7 | 19 |
| 22 | Lakshmi narayanaama | DS | 75 | 19 |
| 23 | SURE.SAI LAKSHMI | DS | 10 | 20 |
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| 30 | Shaik.munni | DS | 8 | 18 |
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| 44 | SHAIK SAIDA HUSSANBI | DS | 80 | 20 |
| 45 | Nirmala | DS | 7 | 20 |
| 46 | Narra Ramadevi | DS | 7.5 | 19 |
| 47 | Ravanamma | CSE | 10 | 19 |
| 48 | Nallabothu. Anitha | DS | 90 | 21 |
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22          anushayalabolu12@gmail.com
23          madhulathasure9@gmail.com
24      thammisettsrikanthraj9@gmail.com
25          mobinsk9966@gmail.com
26          abdulkhadar6842@gmail.com
27          raviakshaya@gmail.com
28      hemasanjushasanikommu828@gmail.com
29          ynagasasikumar@gmail.com
30          rahamtunnisashaik09@gmail.com
31          harikaavala5@gmail.com
32          indupriya72216@gmail.com
33      bhavyasrisajja2003@gmail.com
34          sudhamshavejendla@gmail.com
35          bhanuthanirru@gmail.com
36          nikitharayapati9@gmail.com
37          indhupotla123@gmail.com
38          abdulabdul22070@gmail.com
39          jaffershaisik718@gmail.com
40          rabbanishaik7356@gmail.com
41          reshmayalamanchi@gmail.com
42      thiriveedhinagajyothi@gmail.com
43          paladugudurgal@gmail.com
44          Saidashaik371@gmail.com
45          mvkbn1312@gmail.com
46          nrajasambasivarao@gmail.com
47          saisairam068@gmail.com
48      Sriharshanallabothu@gmail.com
49          bhuvanstarpuli@gmail.com
50          arundathi0508@gmail.com
51          chinnivignesh144@gmail.com

```

| | BRANCH | CURRENT SEM | ISTER | \ |
|----|--|-------------|-------|---|
| 0 | Data science | | 2-2 | |
| 1 | CSE-DS | | II-II | |
| 2 | mech | | 4 | |
| 3 | CSE | | 2-3 | |
| 4 | Computer science | | 2-2 | |
| 5 | CSD | | 2-2 | |
| 6 | CSD | | 2.2 | |
| 7 | Data Science | | 2-2 | |
| 8 | DS | | 2-2 | |
| 9 | DATA SCIENCE | | 2-2 | |
| 10 | CSE (Data science) | | 2-2 | |
| 11 | DATA SCIENCE | | 2-2 | |
| 12 | ds | | 2-2 | |
| 13 | Data Science | | 2-2 | |
| 14 | Data science | | 2-2 | |
| 15 | NaN | | 2-2 | |
| 16 | Data science | | 2-2 | |
| 17 | DS | | 2-2 | |
| 18 | DS | | 2-2 | |
| 19 | Computer Science Engineering& Data Science | | 4 | |
| 20 | Computer Science | | 2-2 | |
| 21 | DS | | 2-2 | |
| 22 | CSD | | 2-2 | |

| | | |
|----|--------------------|--------------|
| 23 | Data science | 2-2 |
| 24 | Data Science | 2-2 |
| 25 | Ds | 2.2 |
| 26 | NaN | 2-2 |
| 27 | Ds | 2.2 |
| 28 | cse | 2-2 |
| 29 | NaN | 2-2 |
| 30 | Data science | 2-2 |
| 31 | Data science | 2-2 |
| 32 | Data Science | 2-2 |
| 33 | Ds | 2-2 |
| 34 | Cse- Data Science | 2_2 |
| 35 | NaN | 2-2 |
| 36 | Ds | 2-2 |
| 37 | cse | 2-2 |
| 38 | DS | 2-2 |
| 39 | cse | 2nd |
| 40 | CSD | 2-2 |
| 41 | DS | 4 |
| 42 | DS | 4 |
| 43 | CSD(Data Science) | 2-2 |
| 44 | DATASCIENCE | 2-2 |
| 45 | Data science | 2-2 |
| 46 | CSD (Data science) | 4 |
| 47 | Da | 2-2 |
| 48 | CSD | 2-2 |
| 49 | Data science | 2.2 |
| 50 | CSD | 2-2 |
| 51 | Data Science | 4th semester |

| | AADHAAR NO |
|----|--------------|
| 0 | 636336922883 |
| 1 | 602515258256 |
| 2 | 930319053088 |
| 3 | 576154990146 |
| 4 | 895444662410 |
| 5 | 724574588425 |
| 6 | 810177524502 |
| 7 | 721819168061 |
| 8 | 617020354793 |
| 9 | 338666948901 |
| 10 | 685349832128 |
| 11 | 458689741091 |
| 12 | 663048521599 |
| 13 | 510305345824 |
| 14 | 744020413963 |
| 15 | 559366114423 |
| 16 | 424973081348 |
| 17 | 529261464345 |
| 18 | 568753875709 |
| 19 | ***** |
| 20 | 693621780842 |
| 21 | 764320730678 |
| 22 | 830785066037 |
| 23 | 776486062608 |
| 24 | 673112205183 |
| 25 | 904355656468 |
| 26 | 334708289154 |

| | |
|----|----------------|
| 27 | 544305783128 |
| 28 | 422314863763 |
| 29 | 448172496292 |
| 30 | 406976169351 |
| 31 | 574930568520 |
| 32 | 573041880949 |
| 33 | 274736890047 |
| 34 | 587480445790 |
| 35 | 357228202835 |
| 36 | 963360828294 |
| 37 | 524345891620 |
| 38 | 347853509974 |
| 39 | 912229276699 |
| 40 | 205933956204 |
| 41 | 742366316353 |
| 42 | 330477145525 |
| 43 | 692162661608 |
| 44 | 466722650274 |
| 45 | 2387 7088 9424 |
| 46 | 835457902826 |
| 47 | 746109575146 |
| 48 | 208611060176 |
| 49 | 950519207474 |
| 50 | 652650486629 |
| 51 | 639534870436 |

PREPROCESSING THE DATA

```
Data.info()  
Duplic=Data.notnull()  
print(Duplic)  
Duplicates=Data[Data.duplicated()]  
Data
```

```
<class 'pandas.core.frame.DataFrame'>  
RangeIndex: 52 entries, 0 to 51  
Data columns (total 13 columns):  
 #   Column           Non-Null Count  Dtype     
---  
 0   Timestamp        52 non-null    datetime64[ns]  
 1   Email address   52 non-null    object  
 2   STUDENT NAME    52 non-null    object  
 3   ROLL NUMBER     52 non-null    object  
 4   FATHER NAME     52 non-null    object  
 5   MOTHER NAME     52 non-null    object  
 6   COURSE          52 non-null    object  
 7   CGPA             52 non-null    object  
 8   AGE              52 non-null    object  
 9   EMAIL            52 non-null    object  
 10  BRANCH           48 non-null    object  
 11  CURRENT SEMISTER 52 non-null    object  
 12  AADHAAR NO      52 non-null    object  
dtypes: datetime64[ns](1), object(12)  
memory usage: 5.4+ KB  
   Timestamp  Email address  STUDENT NAME  ROLL NUMBER  FATHER NAME  \\\n0       True        True        True        True        True  
1       True        True        True        True        True  
2       True        True        True        True        True  
3       True        True        True        True        True  
4       True        True        True        True        True  
5       True        True        True        True        True  
6       True        True        True        True        True  
7       True        True        True        True        True  
8       True        True        True        True        True  
9       True        True        True        True        True  
10      True        True        True        True        True  
11      True        True        True        True        True  
12      True        True        True        True        True  
13      True        True        True        True        True  
14      True        True        True        True        True  
15      True        True        True        True        True  
16      True        True        True        True        True
```

| | | | | | |
|----|------|------|------|------|------|
| 17 | True | True | True | True | True |
| 18 | True | True | True | True | True |
| 19 | True | True | True | True | True |
| 20 | True | True | True | True | True |
| 21 | True | True | True | True | True |
| 22 | True | True | True | True | True |
| 23 | True | True | True | True | True |
| 24 | True | True | True | True | True |
| 25 | True | True | True | True | True |
| 26 | True | True | True | True | True |
| 27 | True | True | True | True | True |
| 28 | True | True | True | True | True |
| 29 | True | True | True | True | True |
| 30 | True | True | True | True | True |
| 31 | True | True | True | True | True |
| 32 | True | True | True | True | True |
| 33 | True | True | True | True | True |
| 34 | True | True | True | True | True |
| 35 | True | True | True | True | True |
| 36 | True | True | True | True | True |
| 37 | True | True | True | True | True |
| 38 | True | True | True | True | True |
| 39 | True | True | True | True | True |
| 40 | True | True | True | True | True |
| 41 | True | True | True | True | True |
| 42 | True | True | True | True | True |
| 43 | True | True | True | True | True |
| 44 | True | True | True | True | True |
| 45 | True | True | True | True | True |
| 46 | True | True | True | True | True |
| 47 | True | True | True | True | True |
| 48 | True | True | True | True | True |
| 49 | True | True | True | True | True |
| 50 | True | True | True | True | True |
| 51 | True | True | True | True | True |

| MOTHER NAME | COURSE | CGPA | AGE | EMAIL | BRANCH | CURRENT SEMISTER | \ |
|-------------|--------|------|------|-------|--------|------------------|---|
| 0 | True | True | True | True | True | True | |
| 1 | True | True | True | True | True | True | |
| 2 | True | True | True | True | True | True | |
| 3 | True | True | True | True | True | True | |
| 4 | True | True | True | True | True | True | |
| 5 | True | True | True | True | True | True | |
| 6 | True | True | True | True | True | True | |
| 7 | True | True | True | True | True | True | |
| 8 | True | True | True | True | True | True | |
| 9 | True | True | True | True | True | True | |
| 10 | True | True | True | True | True | True | |

| | | | | | | | |
|----|------|------|------|------|------|-------|------|
| 11 | True | True | True | True | True | True | True |
| 12 | True | True | True | True | True | True | True |
| 13 | True | True | True | True | True | True | True |
| 14 | True | True | True | True | True | True | True |
| 15 | True | True | True | True | True | False | True |
| 16 | True | True | True | True | True | True | True |
| 17 | True | True | True | True | True | True | True |
| 18 | True | True | True | True | True | True | True |
| 19 | True | True | True | True | True | True | True |
| 20 | True | True | True | True | True | True | True |
| 21 | True | True | True | True | True | True | True |
| 22 | True | True | True | True | True | True | True |
| 23 | True | True | True | True | True | True | True |
| 24 | True | True | True | True | True | True | True |
| 25 | True | True | True | True | True | True | True |
| 26 | True | True | True | True | True | False | True |
| 27 | True | True | True | True | True | True | True |
| 28 | True | True | True | True | True | True | True |
| 29 | True | True | True | True | True | False | True |
| 30 | True | True | True | True | True | True | True |
| 31 | True | True | True | True | True | True | True |
| 32 | True | True | True | True | True | True | True |
| 33 | True | True | True | True | True | True | True |
| 34 | True | True | True | True | True | True | True |
| 35 | True | True | True | True | True | False | True |
| 36 | True | True | True | True | True | True | True |
| 37 | True | True | True | True | True | True | True |
| 38 | True | True | True | True | True | True | True |
| 39 | True | True | True | True | True | True | True |
| 40 | True | True | True | True | True | True | True |
| 41 | True | True | True | True | True | True | True |
| 42 | True | True | True | True | True | True | True |
| 43 | True | True | True | True | True | True | True |
| 44 | True | True | True | True | True | True | True |
| 45 | True | True | True | True | True | True | True |
| 46 | True | True | True | True | True | True | True |
| 47 | True | True | True | True | True | True | True |
| 48 | True | True | True | True | True | True | True |
| 49 | True | True | True | True | True | True | True |
| 50 | True | True | True | True | True | True | True |
| 51 | True | True | True | True | True | True | True |

AADHAAR NO

| | |
|---|------|
| 0 | True |
| 1 | True |
| 2 | True |
| 3 | True |
| 4 | True |

```
5      True
6      True
7      True
8      True
9      True
10     True
11     True
12     True
13     True
14     True
15     True
16     True
17     True
18     True
19     True
20     True
21     True
22     True
23     True
24     True
25     True
26     True
27     True
28     True
29     True
30     True
31     True
32     True
33     True
34     True
35     True
36     True
37     True
38     True
39     True
40     True
41     True
42     True
43     True
44     True
45     True
46     True
47     True
48     True
49     True
50     True
51     True
```

Out[3]:

| Time stamp | Email address | STUDE NT NAME | ROL L NUMBER | FATHER NAME | MOTHE R NAME | CO UR SE | C G P A | A G E | EMAIL | BRAN CH | CUR REN T SEM IST ER | AAD HAA R NO |
|---------------------------|-------------------------------|-----------------------|--------------|----------------------------|--------------------|----------|---------|-------|-------------------------------|-------------------|----------------------|--------------|
| 0 2023-06-13 14:24:58.772 | vennachandana1@gmail.com | Venna Chandana | 21KP1A44C5 | Venna Ramanareddy | Venna Lakshmi Devi | DS | 8 | 19 | vennachandana1@gmail.com | Data science | 2-2 | 636336922883 |
| 1 2023-06-13 14:25:15.609 | adilakshmi4765@gmail.com | N.Venkatesh | 21KP1A4468 | N.Maniky a Rao | N.Sri Lakshmi | CS E | 83 | 19 | adilakshmi4765@gmail.com | CSE-DS | II-II | 602515258256 |
| 2 2023-06-13 14:25:50.957 | sravankumar7156@gmail.com | Sravan Kumar | 21KP1A4488 | Rama Chandra Rao | Venkateswaramma | ME CH | 7 | 20 | sravankumar7156@gmail.com | mech | 4 | 930319053088 |
| 3 2023-06-13 14:26:01.824 | sandeepyeruva1124@gmail.com | Yeruva sandeep reddy | 21KP1A44D1 | Yeruva Ajay Kumar reddy | Yeruva Anjali Devi | CS E | 9.5 | 20 | sandeepyeruva1124@gmail.com | CSE | 2-3 | 576154990146 |
| 4 2023-06-13 14:26:13.848 | sivajibejjanki@gmail.com | B.sivaji | 22kp5a4402 | B.lakshma iah | B.veram ma | DS | 0.72 | 23 | sivajibejjanki@gmail.com | Computer scienc e | 2-2 | 895444662410 |
| 5 2023-06-13 14:26:23.424 | ramyayalabolu123r@gmail.com | Y.Ramy a | 21KP1A44C8 | Y.Anjaiah | Y Lakshmi Rajyam | DS | 80 | 19 | ramyayalabolu123r@gmail.com | CSD | 2-2 | 724574588425 |
| 6 2023-06-13 14:27:05.330 | charithareddy3914@gmail.com | P.charith a reddy | 21KP1A4475 | P.Madhava Reddy | P.Kavitha | DS | 70 | 19 | charithareddy3914@gmail.com | CSD | 2.2 | 810177524502 |
| 7 2023-06-13 14:27:16.973 | gayathripolepalli70@gmail.com | POLEP ALLI. GAYAT HRI | 21KP1A4481 | POLEPALI. GURUBRAHMA CHARI | POLEPALI. SRI DEVI | DS | 10 | 19 | gayathripolepalli70@gmail.com | Data Science | 2-2 | 721819168061 |

| Time stamp | Email address | STUDE NT NAME | ROL L NUM BER | FATHER NAME | MOTHE R NAME | CO UR SE | C G P A | A G E | EMAIL | BRAN CH | CUR REN T SEM IST ER | AAD HAA R NO |
|-------------------------|-----------------------------|--------------------------|---------------|---------------------|---------------------|----------|---------|-------|-----------------------------|---------------------|----------------------|--------------|
| 2023-06-13 14:27:41.072 | syedtasleem07@gmail.com | Syed Tasleem Afroze | 21KP1A44A9 | Syed Rahiman | Syed Naseema | MECH | 8 | 19 | syedtasleem07@gmail.com | DS | 2-2 | 617020354793 |
| 2023-06-13 14:28:10.012 | sowjanyathota11@gmail.com | T.SOWJANYA | 21KP1A44B6 | T.SAMBA SIVARAO | T.ARUN A KUMARI | DS | 8 | 19 | sowjanyathota11@gmail.com | DATA SCIENCE | 2-2 | 338666948901 |
| 2023-06-13 14:28:10.559 | tammashithi1@gmail.com | Tamma Sahithi | 21KP1A44B0 | Tamma krishna reddy | Tamma Padmavathi | DS | 7.7 | 19 | tammashithi1@gmail.com | CSE (Data scienc e) | 2-2 | 685349832128 |
| 2023-06-13 14:28:34.026 | podilisarayu6@gmail.com | PODILI LAKSH MISARAYU | 21KP1A4480 | PODILI RAMESH | PODILI ADILAK SHMI | DS | 7.5 | 19 | Podilisarayu6@gmail.com | DATA SCIENCE | 2-2 | 458689741091 |
| 2023-06-13 14:28:43.092 | shaikkarishma811@gmail.com | shaik karishma | 21KP1A4496 | SHAIK BAJI | SHAIK KHADR UN | DS | 9 | 19 | shaikkarishma811@gmail.com | ds | 2-2 | 663048521599 |
| 2023-06-13 14:28:57.412 | kumarvalaparla890@gmail.com | Venkata Aravind Kumar. V | 21KP1A44C0 | Veeraswamy.v | Lakshmi. v | DS | 0.98 | 20 | Kumarvalaparla890@gmail.com | Data Scienc e | 2-2 | 510305345824 |
| 2023-06-13 14:30:05.091 | patchachinnu3@gmail.com | Patcha Jaswanth | 21KP1A4477 | Patcha apparao | Patcha sukanya | CSE | 0.99 | 20 | Patchachinnu@gmail.com | Data scienc e | 2-2 | 744020413963 |
| 2023-06-13 14:30:05.577 | manu952041@gmail.com | Pachipulusu Manohar | 21KP1A4472 | Pachipulusu Prasad | Pachipulusu Bhavani | MECH | 8.5 | 19 | manu952041@gmail.com | Nan | 2-2 | 559366114423 |

| Time stamp | Email address | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | C GPA | A GE | EMAIL | BRANCH | CURRENT SEMESTER | AADHAR NO |
|-----------------------------|-----------------------------------|-------------------------------|-------------|---------------------------|---------------------|--------|-------|------|-----------------------------------|---|------------------|--------------|
| 1 6 2023-06-13 14:30:07.913 | vanukuri.raghava@gmail.com | Raghava | 21KP1A44C3 | Srinivasa reddy | Jyothi | DS | 7 | 19 | vanukuri.raghava@gmail.com | Data science | 2-2 | 424973081348 |
| 1 7 2023-06-13 14:30:57.744 | shaiksakina05@gmail.com | Shaik sameer | 21KP1A44A3 | Shaik Rahim babu | Shaik Raziya | DS | 80 | 20 | Shaiksakina05@gmail.com | DS | 2-2 | 529261464345 |
| 1 8 2023-06-13 14:33:16.842 | us465249@gmail.com | S sk usman | 21KP1A4492 | S sk mastan vali | Mahabob ba | DS | 50 | 19 | us465249@gmail.com | DS | 2-2 | 568753875709 |
| 1 9 2023-06-13 14:36:46.844 | vallu.srinu756939@gmail.com | Vallu Srinu Siva Subrahmanyam | 21KP1A44C1 | Vallu Srinivasa Rao | Vallu Surya kumari | DS | 73 | 20 | vallu.srinu756939@gmail.com | Computer Science Engineering & Data Science | 4 | ***** |
| 2 0 2023-06-13 14:40:05.142 | undelachandraobulareddy@gmail.com | Undela Chandra Obula Reddy | 21KP1A44B9 | Undela Chinna Obula Reddy | Undela GuruLakshmi | DS | 9.2 | 20 | undelachandraobulareddy@gmail.com | Computer Science | 2-2 | 693621780842 |
| 2 1 2023-06-13 14:22:17.269 | farukh.786syed@gmail.com | SYED.F ARUKH | 21KP1A44A7 | SYED.BA JI | SYED.S ARTHAJ BEGUM | DS | 0.7 | 19 | farukh.786syed@gmail.com | DS | 2-2 | 764320730678 |
| 2 2 2023-06-13 14:33:08.038 | anushayalabolu12@gmail.com | Anusha yalabolu | 21KP1A44C7 | Chinna anjayya | Lakshmi narayana ma | DS | 75 | 19 | anushayalabolu12@gmail.com | CSD | 2-2 | 830785066037 |
| 2 3 2023-06-13 14:33:16.147 | madhulathasure9@gmail.com | SURE. MADHULATH A | 21KP1A44A4 | SURE.VIS WANADHAM | SURE.S AI LAKSHMI | DS | 10 | 20 | madhulathasure9@gmail.com | Data science | 2-2 | 776486062608 |

| Time stamp | | Email address | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | C GPA | A GE | EMAIL | BRANCH | CURRENT SEMESTER | AADHAR NO |
|------------|-------------------------|------------------------------------|--------------------|-------------|--------------------|-------------------|--------|-------|------|------------------------------------|--------------|------------------|--------------|
| 24 | 2023-06-13 14:34:00.504 | thammisettsrika nthraj9@gmail.com | T.Srikanth | 21KP1A44B5 | T.vasu | T.jaya | DS | 0.75 | 19 | thammisettsrika nthraj9@gmail.com | Data Science | 2-2 | 673112205183 |
| 25 | 2023-06-13 14:34:24.599 | shiakmobil2002@gmail.com | Shaikmobin | 21KP1A4497 | shaik karimullah | Shaik rihanna | DS | 8.8 | 21 | mobinsk9966@gmail.com | Ds | 2.2 | 904355656468 |
| 26 | 2023-06-13 14:34:24.985 | abdulkhadar6842@gmail.com | Shaik.Abdul Khadar | 21KP1A4493 | Shaik.Kareem | Shaik.Farjana | EE | 8 | 20 | abdulkhadar6842@gmail.com | Nan | 2-2 | 334708289154 |
| 27 | 2023-06-13 14:34:31.602 | ravuakshaya@gmail.com | Ravu.akshaya | 21KP1A4485 | Ravu.srinivasrao | Ravu.aruna kumari | DS | 80 | 19 | ravuakshaya@gmail.com | Ds | 2.2 | 544305783128 |
| 28 | 2023-06-13 14:34:41.989 | hemasanjushasanikommu828@gmail.com | hema sanjusha | 21KP1A4491 | musalared dy | sivaparvathi | CS E | 73 | 18h | hemasanjushasanikommu828@gmail.com | cse | 2-2 | 422314863763 |
| 29 | 2023-06-13 14:34:52.277 | ynagasakiukumar@gmail.com | Y Naga Sasi Kumar | 21KP1A44D0 | Y Ramamohanarao | Y Lalitha | DS | 9.2 | 20 | ynagasakiukumar@gmail.com | Nan | 2-2 | 448172496292 |
| 30 | 2023-06-13 14:35:26.194 | rahamtunnisashai k09@gmail.com | Shaik Rahamtunnisa | 21KP1A44A0 | Shaik.mahaboobjani | Shaik.munnani | DS | 8 | 18 | rahamtunnisashai k09@gmail.com | Data science | 2-2 | 406976169351 |
| 31 | 2023-06-13 14:37:08.022 | harikabangaram313@gmail.com | Harika | 22KP5A4401 | A.Subramanyam | A.Dhana Bhagyam | DS | 75 | 19 | harikaaval5@gmail.com | Data science | 2-2 | 574930568520 |

| Time stamp | Email address | STUDE NT NAME | ROL L NUM BER | FATHER NAME | MOTHE R NAME | CO UR SE | C G P A | A G E | EMAIL | BRAN CH | CUR REN T SEM IST ER | AAD HAA R NO |
|-----------------------------|------------------------------|-------------------------------|---------------|------------------------|-------------------------|----------|---------|-------|------------------------------|------------------|----------------------|--------------|
| 3 2 2023-06-13 14:37:44.545 | indupriya72216@gmail.com | Indu Priya Patcha | 21KP1A4476 | Appa rao Patcha | Renuka Patcha | DS | 0.75 | 18 | indupriya72216@gmail.com | Data Science | 2-2 | 573041880949 |
| 3 3 2023-06-13 14:37:53.042 | bhavyasrisajja2003@gmail.com | Bhavya sri | 21KP1A4490 | Mohan krishna | Usha rani | DS | 70 | 19 | bhavyasrisajja2003@gmail.com | Ds | 2-2 | 274736890047 |
| 3 4 2023-06-13 14:38:20.561 | sudhamshavejendla@gmail.com | Vejendla Devi Sri Sudham sha | 21KP1A44C4 | Vejendla Srinivass Rao | Vejendla Laxmi Prasanna | CS E | 70 | 19 | sudhamshavejendla@gmail.com | Cse-Data Science | 2_2 | 587480445790 |
| 3 5 2023-06-13 14:39:17.885 | bhanuthanirru@gmail.com | Thanirru Bhanu venkata prasad | 21KP1A44B2 | T sathyana ranya | T rama devi | DS | 9.6 | 19 | bhanuthanirru@gmail.com | NaN | 2-2 | 357228202835 |
| 3 6 2023-06-13 14:40:40.869 | nikitharayapati9@gmail.com | Nikhitha Rayapati | 21KP1A4487 | Rayapati hanumathrao | Rayapati malleswari | DS | 80 | 19 | nikitharayapati9@gmail.com | Ds | 2-2 | 963360828294 |
| 3 7 2023-06-13 14:44:05.463 | indhupotla123@gmail.com | indhu priya | 21KP1A4483 | Lakshman arayana | Sujatha | CS E | 72 | 19 | indhupotla123@gmail.com | cse | 2-2 | 524345891620 |
| 3 8 2023-06-13 14:44:45.168 | abdulabdul22070@gmail.com | Syed.Abdul Rehama n | 21KP1A44A6 | Syed.Meer a Sharif | Bandi.Krishna veni | DS | 90 | 20 | abdulabdul22070@gmail.com | DS | 2-2 | 347853509974 |
| 3 9 2023-06-13 14:45:56.606 | jaffershaik718@gmail.com | Jaffer shaik | 21KP1A4495 | shaik.LaiLaha | shaik.Ramjan bee | CS E | 70 | 19 | jaffershaik718@gmail.com | cse | 2nd | 912229276699 |

| Time stamp | Email address | STUDE NT NAME | ROL L NUM BER | FATHER NAME | MOTHE R NAME | CO UR SE | C G P A | A G E | EMAIL | BRAN CH | CUR REN T SEM IST ER | AAD HAA R NO |
|-----------------------------|---------------------------------|---------------------------|---------------|-----------------------|-----------------------|----------|---------|-------|---------------------------------|---------------------|----------------------|--------------|
| 4 0 2023-06-13 14:50:28.282 | rabbanishaik7356@gmail.com | SHAIK RABBA NI | 21KP1A4499 | SHAIK MOHAM MAD HANIF | SHAIK MALIN | DS | 9.5 | 21 | rabbanishaik7356@gmail.com | CSD | 2-2 | 205933956204 |
| 4 1 2023-06-13 15:01:15.615 | reshmayalamanchi@gmail.com | Reshma yalamanchi | 21KP1A44C9 | Yalamanchi subba Rao | Yalamanchi sunitha | DS | 75 | 19 | reshmayalamanchi@gmail.com | DS | 4 | 742366316353 |
| 4 2 2023-06-13 15:04:23.806 | thiriveedhinagajyothi@gmail.com | T. Nagajyothi | 21KP1A44B7 | T. Venkayya | T. Ramanamma | DS | 75 | 19 | thiriveedhinagajyothi@gmail.com | DS | 4 | 330477145525 |
| 4 3 2023-06-13 15:16:34.142 | paladugudurga1@gmail.com | P. Durga Sri | 21KP1A4473 | P. Amareswara rao | P. Seshu Kumari | DS | 80 | 20 | paladugudurga1@gmail.com | CSD(Data Scienc e) | 2-2 | 692162661608 |
| 4 4 2023-06-13 17:37:00.290 | saidashaik371@gmail.com | SHAIK SAIDA ANWA R BASHA | 21KP1A44A2 | SHAIK KUDHAN VALI | SHAIK SAIDA HUSSAN BI | DS | 80 | 20 | Saidashaik371@gmail.com | DATA SCIENCE | 2-2 | 466722650274 |
| 4 5 2023-06-13 20:39:54.489 | mvkbn1312@gmail.com | R.M.V. K.Brahma Naidu | 21KP1A4489 | Yedukondalu | Nirmala | DS | 7 | 20 | mvkbn1312@gmail.com | Data scienc e | 2-2 | 238770889424 |
| 4 6 2023-06-13 20:49:03.330 | nrajasambasivaro@gmail.com | Narra Raja Samba Siva Rao | 21KP1A4471 | Narra SrinivasaRao | Narra Ramadevi | DS | 7.5 | 19 | nrajasambasivaro@gmail.com | CSD (Data scienc e) | 4 | 835457902826 |
| 4 7 2023-06-14 09:22:24.620 | saisairam068@gmail.com | Sairam | 21kp1a44b4 | Venkata subbiah | Ravanama | CS E | 10 | 19 | saisairam068@gmail.com | Da | 2-2 | 746109575146 |

| Time stamp | Email address | STUDE NT NAME | ROL L NUM BER | FATHER NAME | MOTHE R NAME | C O UR SE | C G P A | A G E | EMAIL | BRAN CH | CUR REN T SEM IST ER | AAD HAA R NO |
|---------------------------------|--------------------------------|---------------------------|---------------|-------------------------|--------------------------|-----------|---------|-------|--------------------------------|---------------|----------------------|----------------|
| 4 8 2023 -06- 14 09:3 4:41. 202 | sriharshanallabot hu@gmail.com | Nallabot hu. Sri Harsha | 21KP 1A44 69 | Nallabothu . Anjaneyulu | Nallaboth u. Anitha | DS | 90 | 2 1 | Sriharshanallabot hu@gmail.com | CSD | 2-2 | 20861 10601 76 |
| 4 9 2023 -06- 14 09:3 7:41. 272 | bhuvanstarpuli@gmail.com | Puli bhuvane swar | 21KP 1A44 84 | Puli mallikarju na | Puli ramadevi | DS | 8. 3 | 2 1 | bhuvanstarpuli@gmail.com | Data scienc e | 2.2 | 95051 92074 74 |
| 5 0 2023 -06- 14 09:3 7:48. 696 | arundathi0508@gmail.com | PANDA UMA ARUND ATHI | 21KP 1A44 74 | PANDA NARAYA NA RAO | PANDA PRASAN NA LAKSH MI | DS | 87 | 1 9 | arundathi0508@gmail.com | CSD | 2-2 | 65265 04866 29 |
| 5 1 2023 -06- 14 09:3 8:10. 231 | chinnivignesh144 @gmail.com | chinni vignesh teja yadav | 21KP 1A44 C6 | Chinni Pratap Kumar | Chinni Bhargavi | DS | 80 | 1 9 | chinnivignesh144 @gmail.com | Data Scienc e | 4th seme ster | 63953 48704 36 |

```
Data.isnull().sum()
```

| | |
|------------------|---|
| Email address | 0 |
| STUDENT NAME | 0 |
| ROLL NUMBER | 0 |
| FATHER NAME | 0 |
| MOTHER NAME | 0 |
| COURSE | 0 |
| CGPA | 0 |
| AGE | 0 |
| BRANCH | 4 |
| CURRENT SEMISTER | 0 |
| AADHAAR NO | 0 |

dtype: int64

```
Data.fillna('Data Science', inplace=True)
print(Data.info())
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 52 entries, 0 to 51
Data columns (total 11 columns):
 #   Column           Non-Null Count  Dtype  
 --- 
 0   Email address    52 non-null      object  
 1   STUDENT NAME     52 non-null      object  
 2   ROLL NUMBER      52 non-null      object  
 3   FATHER NAME      52 non-null      object  
 4   MOTHER NAME       52 non-null      object  
 5   COURSE           52 non-null      object  
 6   CGPA              52 non-null      object  
 7   AGE               52 non-null      object  
 8   BRANCH            52 non-null      object  
 9   CURRENT SEMISTER 52 non-null      object  
 10  AADHAAR NO       52 non-null      object  
dtypes: object(11)
memory usage: 4.6+ KB
None
```

```
Data.shape
```

```
(52, 11)
```

```
Data.columns
```

```
Index(['Email address', 'STUDENT NAME', 'ROLL NUMBER', 'FATHER NAME',
       'MOTHER NAME', 'COURSE', 'CGPA', 'AGE', 'BRANCH', 'CURRENT SEMISTER',
       'AADHAAR NO'],
      dtype='object')
```

```
Data.rename(columns={'Email address':'Gmail','CURRENT SEMISTER':'SEMISTER','AADHAAR NO':'UIDAI NO'},inplace=True)  
print(Data.columns)
```

```
Index(['Gmail', 'STUDENT NAME', 'ROLL NUMBER', 'FATHER NAME', 'MOTHER NAME',  
'COURSE', 'CGPA', 'AGE', 'BRANCH', 'SEMISTER', 'UIDAI NO'],  
      dtype='object')
```

```
Data['CGPA']
```

```
0      8  
1     83  
2      7  
3    9.5  
4    0.72  
5     80  
6     70  
7     10  
8      8  
9      8  
10    7.7  
11    7.5  
12      9  
13    0.98  
14    0.99  
15    8.5  
16      7  
17    80  
18    50  
19    73  
20    9.2  
21      0.7  
22    75  
23    10  
24    0.75  
25    8.8  
26      8  
27    80  
28    73  
29    9.2  
30      8  
31    75  
32    0.75  
33    70  
34    70  
35    9.6  
36    80  
37    72
```

```

38      90
39      70
40      9.5
41      75
42      75
43      80
44      80
45      7
46      7.5
47      10
48      90
49      8.3
50      87
51      80
Name: CGPA, dtype: object

```

```

Data.replace({'70':70},inplace=True)
Data

```

| G ma il | STUDENT NAME | ROLL NUMBER | FATH ER NAME | MOTHER NAME | COURSE | CG PA | A G E | BRA NCH | SEMIST ER | UID AI NO |
|---------------|-----------------------------|----------------------|--------------------|-------------------------|--------------------|----------|-------------|------------|------------------|---------------------|
| 0 | vennachandana1@gmail.com | Venna Chandana | 21KP1A44C5 | Venna Ramanareddy | Venna Lakshmidevi | DS | 8.00 | 19 | Data science | 2-2 636336 922883 |
| 1 | adilakshmi4765@gmail.com | N.Venkatesh | 21KP1A4468 | N.Manikya Rao | N.Sri Lakshmi | CS E | 83.00 | 19 | CSE-DS | II-II 602515 258256 |
| 2 | sravankumar7156@gmail.com | Sravan Kumar | 21KP1A4488 | Rama Chandra Rao | Venkateswaramma | ME CH | 7.00 | 20 | mech | 4 930319 053088 |
| 3 | sandeepyeruva1124@gmail.com | Yeruva sandeep reddy | 21KP1A44D1 | Yeruva Ajay Kumar reddy | Yeruva Anjali Devi | CS E | 9.50 | 20 | CSE | 2-3 576154 990146 |
| 4 | sivajibejjanki@gmail.com | B.sivaji | 22kp5a 4402 | B.lakshmaiah | B.veramma | DS | 0.72 | 23 | Computer science | 2-2 895444 662410 |
| 5 | ramyayalabolu123r@gmail.com | Y.Ramya | 21KP1A44C8 | Y.Anjaiah | Y Lakshmi Rajyam | DS | 80.00 | 19 | CSD | 2-2 724574 588425 |
| 6 | charithareddy3914@gmail.com | P.charitha reddy | 21KP1A4475 | P.Madhava Reddy | P.Kavitha | DS | 70.00 | 19 | CSD | 2.2 810177 524502 |

| GRADUATION YEAR | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CG PA | A GE | BRA NCH | SEMIST ER | UID AI NO |
|--------------------|-----------------------------------|-------------------------------------|----------------|------------------------------------|------------------------|----------|-----------|------------|--|----------------------|
| 7 | gayathripolepalli70@gmail.com | POLEPALI. GAYATHRI | 21KP1 A4481 | POLEPALLI. GURUBRAMA CHARI | POLEPALLI. SRIDEVI | DS | 10. 00 | 19 | Data Science | 2-2 721819 168061 |
| 8 | syedtasleem07@gmail.com | Syed Tasleem Afroze | 21KP1 A44A9 | Syed Rahiman | Syed Naseema | ME CH | 8. 00 | 19 | DS | 2-2 617020 354793 |
| 9 | sowjanyathota11@gmail.com | T.SOWJANYA | 21KP1 A44B6 | T.SAMBA SIVA RAO | T.ARUNA KUMARI | DS | 8. 00 | 19 | DATA SCIENC E | 2-2 338666 948901 |
| 10 | tammasahithi1@gmail.com | Tamma Sahithi | 21KP1 A44B0 | Tamma krishna reddy | Tamma Padmavathi | DS | 7. 70 | 19 | CSE (Data science) | 2-2 685349 832128 |
| 11 | podilisarayu6@gmail.com | PODILI LAKSHMI SARAYU | 21KP1 A4480 | PODILI RAMESH | PODILI ADILAKSHMI | DS | 7. 50 | 19 | DATA SCIENC E | 2-2 458689 741091 |
| 12 | shaikkarishma811@gmail.com | shaik karishma | 21KP1 A4496 | SHAIK BAJI | SHAIK KHADRUNK | DS | 9. 00 | 19 | ds | 2-2 663048 521599 |
| 13 | kumarvalaparla890@gmail.com | Venkata Aravind Kumar.V | 21KP1 A44C0 | Veeraswamy.v | Lakshmi.v | DS | 0. 98 | 20 | Data Science | 2-2 510305 345824 |
| 14 | patchachinnu3@gmail.com | Patcha Jaswanth | 21KP1 A4477 | Patcha apparao | Patcha sukanya | CS E | 0. 99 | 20 | Data science | 2-2 744020 413963 |
| 15 | manu952041@gmail.com | Pachipulu su Manohar | 21KP1 A4472 | Pachipulusu Prasad | Pachipulusu Bhavani | ME CH | 8. 50 | 19 | Data Science | 2-2 559366 114423 |
| 16 | vanukuri.raghava@gmail.com | Raghava | 21KP1 A44C3 | Srinivasa reddy | Jyothi | DS | 7. 00 | 19 | Data science | 2-2 424973 081348 |
| 17 | shaiksakina05@gmail.com | Shaik sameer | 21KP1 A44A3 | Shaik Rahim babu | Shaik Raziya | DS | 80. 00 | 20 | DS | 2-2 529261 464345 |
| 18 | us465249@gmail.com | S sk usman | 21KP1 A4492 | S sk mastan vali | Mahaboba | DS | 50. 00 | 19 | DS | 2-2 568753 875709 |
| 19 | vallu.srinu756939@gmail.com | Vallu Srinu Siva Subrahmanyam | 21KP1 A44C1 | Vallu Srinivasa Rao | Vallu Surya kumari | DS | 73. 00 | 20 | Computer Science Engineering& Data Science | 4 ***** *** |
| 20 | undelachandraobulareddy@gmail.com | Undela Chandra Obula Reddy | 21KP1 A44B9 | Undela Chinna Obula Reddy | Undela GuruLakshmi | DS | 9. 20 | 20 | Computer Science | 2-2 693621 780842 |

| GRADUATION YEAR | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CG PA | A GE | BRA NCH | SEMIST ER | UID AI NO |
|--------------------|-------------------------------------|-------------------------------|----------------|------------------------|-------------------------|----------|---------|------------|-------------------|-------------------|
| 21 | farukh.786syed@gmail.com | SYED.FARUKH | 21KP1A44A7 | SYED.BAJI | SYED.SARTHAJ BEGUM | DS | 0.70 | 19 | DS | 2-2 764320 730678 |
| 22 | anushayalabolu12@gmail.com | Anushayalabolu | 21KP1A44C7 | Chinna anjayya | Lakshmi narayana ma | DS | 75.00 | 19 | CSD | 2-2 830785 066037 |
| 23 | madhulathasure9@gmail.com | SURE.MADHULATHA | 21KP1A44A4 | SURE.VISWANADHAM | SURE.SAI LAKSHMI | DS | 10.00 | 20 | Data science | 2-2 776486 062608 |
| 24 | thammisettsrikanthraj9@gmail.com | T.Srikanth | 21KP1A44B5 | T.vasu | T.jaya | DS | 0.75 | 19 | Data Science | 2-2 673112 205183 |
| 25 | shiakmobin2002@gmail.com | Shaikmobin | 21KP1A4497 | shaik karimullah | Shaik rihana | DS | 8.80 | 21 | Ds | 2.2 904355 656468 |
| 26 | abdulkhadar6842@gmail.com | Shaik.Abdul Khadar | 21KP1A4493 | Shaik.Kareem | Shaik.Farjana | EC E | 8.00 | 20 | Data Science | 2-2 334708 289154 |
| 27 | ravuakshaya@gmail.com | Ravu.aks haya | 21KP1A4485 | Ravu.srinivasa rao | Ravu.aruna kumari | DS | 80.00 | 19 | Ds | 2.2 544305 783128 |
| 28 | hemasanjushasanikom mu828@gmail.com | hema sanjusha | 21KP1A4491 | musalareddy | sivaparvathi | CS E | 73.00 | 18h | cse | 2-2 422314 863763 |
| 29 | ynagasasikumar@gmail.com | Y Naga Sasi Kumar | 21KP1A44D0 | Y Rama mohanrao | Y Lalitha | DS | 9.20 | 20 | Data Science | 2-2 448172 496292 |
| 30 | rahamtunnisashaik09@gmail.com | Shaik Rahamtun nisa | 21KP1A44A0 | Shaik.maha boobjani | Shaik.munni | DS | 8.00 | 18 | Data science | 2-2 406976 169351 |
| 31 | harikabangaram313@gmail.com | Harika | 22KP5A4401 | A.Subramanyam | A.Dhana Bhagyam | DS | 75.00 | 19 | Data science | 2-2 574930 568520 |
| 32 | indupriya72216@gmail.com | Indu Priya Patcha | 21KP1A4476 | Appa rao Patcha | Renuka Patcha | DS | 0.75 | 18 | Data Science | 2-2 573041 880949 |
| 33 | bhavyasrisajja2003@gmail.com | Bhavya sri | 21KP1A4490 | Mohan krishna | Usha rani | DS | 70.00 | 19 | Ds | 2-2 274736 890047 |
| 34 | sudhamshavejendla@gmail.com | Vejendla Devi Sri Sudhams ha | 21KP1A44C4 | Vejendla Srinivass Rao | Vejendla Laxmi Prasanna | CS E | 70.00 | 19 | Cse- Data Science | 2-2 587480 445790 |
| 35 | bhanuthanirru@gmail.com | Thanirru Bhanu venkata prasad | 21KP1A44B2 | T sathyaranayana | T rama devi | DS | 9.60 | 19 | Data Science | 2-2 357228 202835 |

| GRADUATION YEAR | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CG PA | A GE | BRA NCH | SEMIST ER | UID AI NO |
|--------------------|---------------------------------|---------------------------|----------------|------------------------|----------------------|----------|---------|------------|--------------------|------------------|
| 36 | nikitharayapati9@gmail.com | Nikhitha Rayapati | 21KP1A4487 | Rayapati hanumathrao | Rayapati malleswari | DS | 80.00 | 19 | Ds | 2-2 963360828294 |
| 37 | indhupotla123@gmail.com | indhu priya | 21KP1A4483 | Lakshmanarayana | Sujatha | CS E | 72.00 | 19 | cse | 2-2 524345891620 |
| 38 | abdulabdul22070@gmail.com | Syed.Abdul Rehaman | 21KP1A44A6 | Syed.Meera Sharif | Bandi.Krishna veni | DS | 90.00 | 20 | DS | 2-2 347853509974 |
| 39 | jaffershaik718@gmail.com | Jaffer shaik | 21KP1A4495 | shaik.LaiLaha | shaik.Ramjan bee | CS E | 70.00 | 19 | cse | 2nd 912229276699 |
| 40 | rabbanishaik7356@gmail.com | SHAIK RABBANI | 21KP1A4499 | SHAIK MOHAMMAD HANIF | SHAIK MALIN | DS | 9.50 | 21 | CSD | 2-2 205933956204 |
| 41 | reshmayalamanchi@gmail.com | Reshma yalamanchi | 21KP1A44C9 | Yalamanchi subba Rao | Yalamanchi sunitha | DS | 75.00 | 19 | DS | 4 742366316353 |
| 42 | thiriveedhinagajyothi@gmail.com | T. Nagajyothi | 21KP1A44B7 | T. Venkayya | T. Ramanjamma | DS | 75.00 | 19 | DS | 4 330477145525 |
| 43 | paladugudurga1@gmail.com | P. Durga Sri | 21KP1A4473 | P. Amareswara rao | P. Seshu Kumari | DS | 80.00 | 20 | CSD(Data Science) | 2-2 692162661608 |
| 44 | saidashaik371@gmail.com | SHAIK SAIDA ANWAR BASHA | 21KP1A44A2 | SHAIK KUDHAN VALI | SHAIK SAIDA HUSSANBI | DS | 80.00 | 20 | DATASCIENCE | 2-2 466722650274 |
| 45 | mvkbn1312@gmail.com | R.M.V.K. Brahma Naidu | 21KP1A4489 | Yedukondalu | Nirmala | DS | 7.00 | 20 | Data science | 2-2 238770889424 |
| 46 | nrajasambasivarao@gmail.com | Narra Raja Samba Siva Rao | 21KP1A4471 | Narra SrinivasaRa o | Narra Ramadevi | DS | 7.50 | 19 | CSD (Data science) | 4 835457902826 |
| 47 | saisairam068@gmail.com | Sairam | 21kp1a44b4 | Venkata subbiah | Ravanamma | CS E | 10.00 | 19 | Da | 2-2 746109575146 |
| 48 | sriharshanallabothu@gmail.com | Nallabothu. Sri Harsha | 21KP1A4469 | Nallabothu. Anjaneyulu | Nallabothu. Anitha | DS | 90.00 | 21 | CSD | 2-2 208611060176 |
| 49 | bhuvanstarpuli@gmail.com | Puli bhuvanes war | 21KP1A4484 | Puli mallikarjuna | Puli ramadevi | DS | 8.30 | 21 | Data science | 2.2 950519207474 |

| Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CG PA | A GE | BRA NCH | SEMIST ER | UID AI NO |
|-------|----------------------------|---------------------------|-------------|---------------------|------------------------|-------|-------|---------|--------------|----------------------------|
| 50 | arundathi0508@gmail.com | PANDA UMA ARUNA THI | 21KP1 A4474 | PANDA NARAYANA RAO | PANDA PRASANNA LAKSHMI | DS | 87.00 | 19 | CSD | 2-2 652650 486629 |
| 51 | chinnivignesh144@gmail.com | chinni vignesh teja yadav | 21KP1 A44C6 | Chinni Pratap Kumar | Chinni Bhargavi | DS | 80.00 | 19 | Data Science | 4th semester 639534 870436 |

```
Data.CGPA=Data.CGPA.astype(float)
print(Data)
```

| | | |
|----|------------------------------------|-------------------------------|
| 0 | Gmail | STUDENT NAME |
| 1 | vennachandana1@gmail.com | Venna Chandana |
| 2 | adilakshmi4765@gmail.com | N.Venkatesh |
| 3 | sravankumar7156@gmail.com | Sravan Kumar |
| 4 | sandeepyeruval124@gmail.com | Yeruva sandeep reddy |
| 5 | sivajibejjanki@gmail.com | B.sivaji |
| 6 | ramyayalabolu123r@gmail.com | Y.Ramya |
| 7 | charithareddy3914@gmail.com | P.charitha reddy |
| 8 | gayathripolepalli70@gmail.com | POLEPALLI. GAYATHRI |
| 9 | syedtasleem07@gmail.com | Syed Tasleem Afroze |
| 10 | sowjanyathota11@gmail.com | T.SOWJANYA |
| 11 | tammasaithil1@gmail.com | Tamma Sahithi |
| 12 | podilisarayu6@gmail.com | PODILI LAKSHMISARAYU |
| 13 | shaikkarishma811@gmail.com | shaik karishma |
| 14 | kumarvalaparla890@gmail.com | Venkata Aravind Kumar.V |
| 15 | patchachinnu3@gmail.com | Patcha Jaswanth |
| 16 | manu952041@gmail.com | Pachipulusu Manohar |
| 17 | vanukuri.raghava@gmail.com | Raghava |
| 18 | shaiksakina05@gmail.com | Shaik sameer |
| 19 | us465249@gmail.com | S sk usman |
| 20 | vallu.srinu756939@gmail.com | Vallu Srinu Siva Subrahmanyam |
| 21 | undelachandraobulareddy@gmail.com | Undela Chandra Obula Reddy |
| 22 | farukh.786syed@gmail.com | SYED.FARUKH |
| 23 | anushayalabolu12@gmail.com | Anusha yalabolu |
| 24 | madhulathasure9@gmail.com | SURE. MADHULATHA |
| 25 | thammisettyrikantraj9@gmail.com | T.Srikanth |
| 26 | shiakmobin2002@gmail.com | Shaikmobin |
| 27 | abdulkhadar6842@gmail.com | Shaik.Abdul Khadar |
| 28 | ravuakshaya@gmail.com | Ravu.akshaya |
| 29 | hemasanjushasanikommu828@gmail.com | hema sanjusha |
| 30 | ynagasasikumar@gmail.com | Y Naga Sasi Kumar |
| | rahamtunnisaik09@gmail.com | Shaik Rahamtunnisa |

| | | |
|----|---------------------------------|-------------------------------|
| 31 | harikabangaram313@gmail.com | Harika |
| 32 | indupriya72216@gmail.com | Indu Priya Patcha |
| 33 | bhavyasrisajja2003@gmail.com | Bhavya sri |
| 34 | sudhamshavejendla@gmail.com | Vejendla Devi Sri Sudhamsha |
| 35 | bhanuthanirru@gmail.com | Thanirru Bhanu venkata prasad |
| 36 | nikitharayapati9@gmail.com | Nikhitha Rayapati |
| 37 | indhupotla123@gmail.com | indhu priya |
| 38 | abdulabdul22070@gmail.com | Syed.Abdul Rehaman |
| 39 | jaffershak718@gmail.com | Jaffer shaik |
| 40 | rabbanishaik7356@gmail.com | SHAIK RABBANI |
| 41 | reshmayalamanchi@gmail.com | Reshma yalamanchi |
| 42 | thiriveedhinagajyothi@gmail.com | T. Nagajyothi |
| 43 | paladugudurga1@gmail.com | P. Durga Sri |
| 44 | saidashaik371@gmail.com | SHAIK SAIDA ANWAR BASHA |
| 45 | mvkbn1312@gmail.com | R.M.V.K.Brahma Naidu |
| 46 | nrajasambasivarao@gmail.com | Narra Raja Samba Siva Rao |
| 47 | saisairam068@gmail.com | Sairam |
| 48 | sriharshanallabothu@gmail.com | Nallabothu. Sri Harsha |
| 49 | bhuvanstarpuli@gmail.com | Puli bhuvaneswar |
| 50 | arundathi0508@gmail.com | PANDA UMA ARUNDATHI |
| 51 | chinnivignesh144@gmail.com | chinni vignesh teja yadav |

| ROLL NUMBER | FATHER NAME | MOTHER NAME \ |
|-------------|-------------|-----------------------------|
| 0 | 21KP1A44C5 | Venna Ramanareddy |
| 1 | 21KP1A4468 | N.Manikya Rao |
| 2 | 21KP1A4488 | Rama Chandra Rao |
| 3 | 21KP1A44D1 | Yeruva Ajay Kumar reddy |
| 4 | 22kp5a4402 | B.lakshmaiah |
| 5 | 21KP1A44C8 | Y.Anjaiah |
| 6 | 21KP1A4475 | P.Madhava Reddy |
| 7 | 21KP1A4481 | POLEPALLI. GURUBRAHMA CHARI |
| 8 | 21KP1A44A9 | Syed Rahiman |
| 9 | 21KP1A44B6 | T.SAMBA SIVA RAO |
| 10 | 21KP1A44B0 | Tamma krishna reddy |
| 11 | 21KP1A4480 | PODILI RAMESH |
| 12 | 21KP1A4496 | SHAIK BAJI |
| 13 | 21KP1A44C0 | Veeraswamy.v |
| 14 | 21KP1A4477 | Patcha apparao |
| 15 | 21KP1A4472 | Pachipulusu Prasad |
| 16 | 21KP1A44C3 | Srinivasa reddy |
| 17 | 21KP1A44A3 | Shaik Rahim babu |
| 18 | 21KP1A4492 | S sk mastan vali |
| 19 | 21KP1A44C1 | Vallu Srinivasa Rao |
| 20 | 21KP1A44B9 | Undela Chinna Obula Reddy |
| 21 | 21KP1A44A7 | SYED.BAJI |
| 22 | 21KP1A44C7 | Chinna anjayya |
| 23 | 21KP1A44A4 | SURE.VISWANADHAM |
| 24 | 21KP1A44B5 | T.vasu |
| 25 | 21KP1A4497 | shaik karimullah |
| 26 | 21KP1A4493 | Shaik.Kareem |
| 27 | 21KP1A4485 | Ravu.srinivasrao |
| 28 | 21KP1A4491 | musalareddy |
| 29 | 21KP1A44D0 | Y Rama mohanrao |
| 30 | 21KP1A44A0 | Shaik.mahaboobjani |
| 31 | 22KP5A4401 | A.Subramanyam |
| 32 | 21KP1A4476 | Appa rao Patcha |
| 33 | 21KP1A4490 | Mohan krishna |
| 34 | 21KP1A44C4 | Vejendla Srinivass Rao |

| | | | |
|----|------------|------------------------|------------------------|
| 35 | 21KP1A44B2 | T sathyanarayana | T rama devi |
| 36 | 21KP1A4487 | Rayapati hanumathrao | Rayapati malleswari |
| 37 | 21KP1A4483 | Lakshmanarayana | Sujatha |
| 38 | 21KP1A44A6 | Syed.Meera Sharif | Bandi.Krishna veni |
| 39 | 21KP1A4495 | shaik.LaiLaha | shaik.Ramjan bee |
| 40 | 21KP1A4499 | SHAIK MOHAMMAD HANIF | SHAIK MALIN |
| 41 | 21KP1A44C9 | Yalamanchi subba Rao | Yalamanchi sunitha |
| 42 | 21KP1A44B7 | T. Venkayya | T. Ramanjamma |
| 43 | 21KP1A4473 | P. Amareswara rao | P. Seshu Kumari |
| 44 | 21KP1A44A2 | SHAIK KUDHAN VALI | SHAIK SAIDA HUSSANBI |
| 45 | 21KP1A4489 | Yedukondalu | Nirmala |
| 46 | 21KP1A4471 | Narra SrinivasaRao | Narra Ramadevi |
| 47 | 21kp1a44b4 | Venkata subbiah | Ravanamma |
| 48 | 21KP1A4469 | Nallabothu. Anjaneyulu | Nallabothu. Anitha |
| 49 | 21KP1A4484 | Puli mallikarjuna | Puli ramadevi |
| 50 | 21KP1A4474 | PANDA NARAYANA RAO | PANDA PRASANNA LAKSHMI |
| 51 | 21KP1A44C6 | Chinni Pratap Kumar | Chinni Bhargavi |

| | COURSE | CGPA | AGE | BRANCH \ |
|----|--------|-------|-----|--|
| 0 | DS | 8.00 | 19 | Data science |
| 1 | CSE | 83.00 | 19 | CSE-DS |
| 2 | MECH | 7.00 | 20 | mech |
| 3 | CSE | 9.50 | 20 | CSE |
| 4 | DS | 0.72 | 23 | Computer science |
| 5 | DS | 80.00 | 19 | CSD |
| 6 | DS | 70.00 | 19 | CSD |
| 7 | DS | 10.00 | 19 | Data Science |
| 8 | MECH | 8.00 | 19 | DS |
| 9 | DS | 8.00 | 19 | DATA SCIENCE |
| 10 | DS | 7.70 | 19 | CSE (Data science) |
| 11 | DS | 7.50 | 19 | DATA SCIENCE |
| 12 | DS | 9.00 | 19 | ds |
| 13 | DS | 0.98 | 20 | Data Science |
| 14 | CSE | 0.99 | 20 | Data science |
| 15 | MECH | 8.50 | 19 | Data Science |
| 16 | DS | 7.00 | 19 | Data science |
| 17 | DS | 80.00 | 20 | DS |
| 18 | DS | 50.00 | 19 | DS |
| 19 | DS | 73.00 | 20 | Computer Science Engineering& Data Science |
| 20 | DS | 9.20 | 20 | Computer Science |
| 21 | DS | 0.70 | 19 | DS |
| 22 | DS | 75.00 | 19 | CSD |
| 23 | DS | 10.00 | 20 | Data science |
| 24 | DS | 0.75 | 19 | Data Science |
| 25 | DS | 8.80 | 21 | Ds |
| 26 | ECE | 8.00 | 20 | Data Science |
| 27 | DS | 80.00 | 19 | Ds |
| 28 | CSE | 73.00 | 18h | cse |
| 29 | DS | 9.20 | 20 | Data Science |
| 30 | DS | 8.00 | 18 | Data science |
| 31 | DS | 75.00 | 19 | Data science |
| 32 | DS | 0.75 | 18 | Data Science |
| 33 | DS | 70.00 | 19 | Ds |
| 34 | CSE | 70.00 | 19 | Cse- Data Science |
| 35 | DS | 9.60 | 19 | Data Science |
| 36 | DS | 80.00 | 19 | Ds |
| 37 | CSE | 72.00 | 19 | cse |
| 38 | DS | 90.00 | 20 | DS |

| | | | | |
|----|-----|-------|----|--------------------|
| 39 | CSE | 70.00 | 19 | cse |
| 40 | DS | 9.50 | 21 | CSD |
| 41 | DS | 75.00 | 19 | DS |
| 42 | DS | 75.00 | 19 | DS |
| 43 | DS | 80.00 | 20 | CSD (Data Science) |
| 44 | DS | 80.00 | 20 | DATASCIENCE |
| 45 | DS | 7.00 | 20 | Data science |
| 46 | DS | 7.50 | 19 | CSD (Data science) |
| 47 | CSE | 10.00 | 19 | Da |
| 48 | DS | 90.00 | 21 | CSD |
| 49 | DS | 8.30 | 21 | Data science |
| 50 | DS | 87.00 | 19 | CSD |
| 51 | DS | 80.00 | 19 | Data Science |

| | SEMISTER | | UIDAI NO |
|----|----------|--|--------------|
| 0 | 2-2 | | 636336922883 |
| 1 | II-II | | 602515258256 |
| 2 | 4 | | 930319053088 |
| 3 | 2-3 | | 576154990146 |
| 4 | 2-2 | | 895444662410 |
| 5 | 2-2 | | 724574588425 |
| 6 | 2.2 | | 810177524502 |
| 7 | 2-2 | | 721819168061 |
| 8 | 2-2 | | 617020354793 |
| 9 | 2-2 | | 338666948901 |
| 10 | 2-2 | | 685349832128 |
| 11 | 2-2 | | 458689741091 |
| 12 | 2-2 | | 663048521599 |
| 13 | 2-2 | | 510305345824 |
| 14 | 2-2 | | 744020413963 |
| 15 | 2-2 | | 559366114423 |
| 16 | 2-2 | | 424973081348 |
| 17 | 2-2 | | 529261464345 |
| 18 | 2-2 | | 568753875709 |
| 19 | 4 | | ***** |
| 20 | 2-2 | | 693621780842 |
| 21 | 2-2 | | 764320730678 |
| 22 | 2-2 | | 830785066037 |
| 23 | 2-2 | | 776486062608 |
| 24 | 2-2 | | 673112205183 |
| 25 | 2.2 | | 904355656468 |
| 26 | 2-2 | | 334708289154 |
| 27 | 2.2 | | 544305783128 |
| 28 | 2-2 | | 422314863763 |
| 29 | 2-2 | | 448172496292 |
| 30 | 2-2 | | 406976169351 |
| 31 | 2-2 | | 574930568520 |
| 32 | 2-2 | | 573041880949 |
| 33 | 2-2 | | 274736890047 |
| 34 | 2_2 | | 587480445790 |
| 35 | 2-2 | | 357228202835 |
| 36 | 2-2 | | 963360828294 |
| 37 | 2-2 | | 524345891620 |
| 38 | 2-2 | | 347853509974 |
| 39 | 2nd | | 912229276699 |
| 40 | 2-2 | | 205933956204 |
| 41 | 4 | | 742366316353 |
| 42 | 4 | | 330477145525 |

| | | |
|----|--------------|----------------|
| 43 | 2-2 | 692162661608 |
| 44 | 2-2 | 466722650274 |
| 45 | 2-2 | 2387 7088 9424 |
| 46 | 4 | 835457902826 |
| 47 | 2-2 | 746109575146 |
| 48 | 2-2 | 208611060176 |
| 49 | 2.2 | 950519207474 |
| 50 | 2-2 | 652650486629 |
| 51 | 4th semester | 639534870436 |

Data[Data['CGPA'] > 8.0]

| Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGPA | AGE | BRA NCH | SEMISTER | UID AI NO |
|-------|-------------------------------|-------------------------------|-------------|-----------------------------|---------------------|-------|-------|---------|--|---------------------|
| 1 | adilakshmi4765@gmail.com | N.Venkatesh | 21KP1 A4468 | N.Manikya Rao | N.Sri Lakshmi | CS E | 83 .0 | 19 | CSE-DS | II-II 602515 258256 |
| 3 | sandeepyeyeruva1124@gmail.com | Yeruva sandeep reddy | 21KP1 A44D1 | Yeruva Ajay Kumar reddy | Yeruva Anjali Devi | CS E | 9. 5 | 20 | CSE | 2-3 576154 990146 |
| 5 | ramyayalabolu123r@gmail.com | Y.Ramya | 21KP1 A44C8 | Y.Anjaiah | Y Lakshmi Rajyam | DS | 80 .0 | 19 | CSD | 2-2 724574 588425 |
| 6 | charithareddy3914@gmail.com | P.charitha reddy | 21KP1 A4475 | P.Madhava Reddy | P.Kavitha | DS | 70 .0 | 19 | CSD | 2.2 810177 524502 |
| 7 | gayathripolepalli70@gmail.com | POLEP ALLI. GAYATHRI | 21KP1 A4481 | POLEPALLI. GURUBRAHMA CHARI | POLEPALLI. SRIDEVI | DS | 10 .0 | 19 | Data Science | 2-2 721819 168061 |
| 12 | shaikkarishma811@gmail.com | shaik karishma | 21KP1 A4496 | SHAIK BAJI | SHAIK KHADRUN | DS | 9. 0 | 19 | ds | 2-2 663048 521599 |
| 15 | manu952041@gmail.com | Pachipulusu Manohar | 21KP1 A4472 | Pachipulusu Prasad | Pachipulusu Bhavani | ME CH | 8. 5 | 19 | Data Science | 2-2 559366 114423 |
| 17 | shaiksakina05@gmail.com | Shaik sameer | 21KP1 A44A3 | Shaik Rahim babu | Shaik Raziya | DS | 80 .0 | 20 | DS | 2-2 529261 464345 |
| 18 | us465249@gmail.com | S sk usman | 21KP1 A4492 | S sk mastan vali | Mahabobba | DS | 50 .0 | 19 | DS | 2-2 568753 875709 |
| 19 | vallu.srinu756939@gmail.com | Vallu Srinu Siva Subrahmanyam | 21KP1 A44C1 | Vallu Srinivasa Rao | Vallu Surya kumari | DS | 73 .0 | 20 | Computer Science Engineering& Data Science | 4 ***** *** |

| GRADUATION MAIL | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CG PA | AGE | BRA NCH | SEMIST ER | UID AI NO |
|--------------------|-------------------------------------|-------------------------------|----------------|---------------------------|-------------------------|----------|------|------------|-------------------|-------------------|
| 20 | undelachandraobulareddy@gmail.com | Undela Chandra Obula Reddy | 21KP1A44B9 | Undela Chinna Obula Reddy | Undela GuruLakshmi | DS | 9.2 | 20 | Computer Science | 2-2 693621 780842 |
| 22 | anushayalabolu12@gmail.com | Anusha yalabolu | 21KP1A44C7 | Chinna anjayya | Lakshminarayana | DS | 75.0 | 19 | CSD | 2-2 830785 066037 |
| 23 | madhulathasure9@gmail.com | SURE. MADHU LATHA | 21KP1A44A4 | SURE.VISWANADHAM | SURE.SAI LAKSHMI | DS | 10.0 | 20 | Data science | 2-2 776486 062608 |
| 25 | shiakmobin2002@gmail.com | Shaikmobin | 21KP1A4497 | shaik karimullah | Shaik rihanna | DS | 8.8 | 21 | Ds | 2.2 904355 656468 |
| 27 | ravuakshaya@gmail.com | Ravu.ak shaya | 21KP1A4485 | Ravu.srinivasa rao | Ravu.aruna kumari | DS | 80.0 | 19 | Ds | 2.2 544305 783128 |
| 28 | hemasanjushasanikom mu828@gmail.com | hema sanjusha | 21KP1A4491 | musalareddy | sivaparvathi | CS E | 73.0 | 18h | cse | 2-2 422314 863763 |
| 29 | ynagasakiumar@gmail.com | Y Naga Sasi Kumar | 21KP1A44D0 | Y Rama mohanarao | Y Lalitha | DS | 9.2 | 20 | Data Science | 2-2 448172 496292 |
| 31 | harikabangaram313@gmail.com | Harika | 22KP5A4401 | A.Subramanyam | A.Dhana Bhagym | DS | 75.0 | 19 | Data science | 2-2 574930 568520 |
| 33 | bhavyasrisaja2003@gmail.com | Bhavya sri | 21KP1A4490 | Mohan krishna | Usha rani | DS | 70.0 | 19 | Ds | 2-2 274736 890047 |
| 34 | sudhamshavejendla@gmail.com | Vejendla Devi Sri Sudham sha | 21KP1A44C4 | Vejendla Srinivass Rao | Vejendla Laxmi Prasanna | CS E | 70.0 | 19 | Cse- Data Science | 2-2 587480 445790 |
| 35 | bhanuthanirru@gmail.com | Thanirru Bhanu venkata prasad | 21KP1A44B2 | T sathyaranayana | T rama devi | DS | 9.6 | 19 | Data Science | 2-2 357228 202835 |
| 36 | nikitharayapati9@gmail.com | Nikhitha Rayapati | 21KP1A4487 | Rayapati hanumathrao | Rayapati malleswari | DS | 80.0 | 19 | Ds | 2-2 963360 828294 |
| 37 | indhupotla123@gmail.com | indhu priya | 21KP1A4483 | Lakshmanarayana | Sujatha | CS E | 72.0 | 19 | cse | 2-2 524345 891620 |
| 38 | abdulabdul22070@gmail.com | Syed.Abdul Rehman | 21KP1A44A6 | Syed.Meera Sharif | Bandi.Krishna veni | DS | 90.0 | 20 | DS | 2-2 347853 509974 |
| 39 | jaffershaisk718@gmail.com | Jaffer shaik | 21KP1A4495 | shaik.LaiLaha | shaik.Ramjan bee | CS E | 70.0 | 19 | cse | 2nd 912229 276699 |

| GRADUATION | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGPA | AGE | BRA NCH | SEMISTER | UID AI NO |
|------------|---------------------------------|---------------------------|-------------|------------------------|-------------------------|------|------|---------|-------------------|----------------------------|
| 40 | rabbanishaik7356@gmail.com | SHAIK RABBA NI | 21KP1 A4499 | SHAIK MOHAMMAD HANIF | SHAIK MALIN | DS | 9.5 | 21 | CSD | 2-2 205933 956204 |
| 41 | reshmayalamanchi@gmail.com | Reshma yalamanchi | 21KP1 A44C9 | Yalamanchi subba Rao | Yalamanchi sunitha | DS | 75.0 | 19 | DS | 4 742366 316353 |
| 42 | thiriveedhinagajyothi@gmail.com | T. Nagajyothi | 21KP1 A44B7 | T. Venkayya | T. Ramanjam ma | DS | 75.0 | 19 | DS | 4 330477 145525 |
| 43 | paladugudurga1@gmail.com | P. Durga Sri | 21KP1 A4473 | Amareswara rao | P. Seshu Kumari | DS | 80.0 | 20 | CSD(Data Science) | 2-2 692162 661608 |
| 44 | saidashaik371@gmail.com | SHAIK SAIDA ANWAR BASHA | 21KP1 A44A2 | SHAIK KUDHAN VALI | SHAIK SAIDA HUSSANBI | DS | 80.0 | 20 | DATAS CIENCE | 2-2 466722 650274 |
| 47 | saisairam068@gmail.com | Sairam | 21kp1a 44b4 | Venkata subbiah | Ravanamma | CS E | 10.0 | 19 | Da | 2-2 746109 575146 |
| 48 | sriharshanallabothu@gmail.com | Nallabot hu. Sri Harsha | 21KP1 A4469 | Nallabothu. Anjaneyulu | Nallabothu. Anitha | DS | 90.0 | 21 | CSD | 2-2 208611 060176 |
| 49 | bhuvanarpuli@gmail.com | Puli bhuvane swar | 21KP1 A4484 | Puli mallikarjuna | Puli ramadevi | DS | 8.3 | 21 | Data science | 2.2 950519 207474 |
| 50 | arundathi0508@gmail.com | PANDA UMA ARUND ATHI | 21KP1 A4474 | PANDA NARAYANA RAO | PANDA PRASANN A LAKSHMI | DS | 87.0 | 19 | CSD | 2-2 652650 486629 |
| 51 | chinnivignesh144@gmail.com | chinni vignesh teja yadav | 21KP1 A44C6 | Chinni Pratap Kumar | Chinni Bhargavi | DS | 80.0 | 19 | Data Science | 4th semester 639534 870436 |

```
smallest=Data.nsmallest(10, "CGPA")
print(smallest)
```

| | | | |
|----|-----------------------------------|--------------|---------------|
| 21 | Gmail | STUDENT NAME | ROLL NUMBER \ |
| 4 | farukh.786syed@gmail.com | SYED.FARUKH | 21KP1A44A7 |
| 24 | sivajibejjanki@gmail.com | B.sivaji | 22kp5a4402 |
| | thammisettysrikanthraj9@gmail.com | T.Srikanth | 21KP1A44B5 |

| | | | |
|----|-----------------------------|-------------------------|------------|
| 32 | indupriya72216@gmail.com | Indu Priya Patcha | 21KP1A4476 |
| 13 | kumarvalaparla890@gmail.com | Venkata Aravind Kumar.V | 21KP1A44C0 |
| 14 | patchachinnu3@gmail.com | Patcha Jaswanth | 21KP1A4477 |
| 2 | sravankumar7156@gmail.com | Sravan Kumar | 21KP1A4488 |
| 16 | vanukuri.raghava@gmail.com | Raghava | 21KP1A44C3 |
| 45 | mvkbn1312@gmail.com | R.M.V.K.Brahma Naidu | 21KP1A4489 |
| 11 | podilisarayu6@gmail.com | PODILI LAKSHMISARAYU | 21KP1A4480 |

| | FATHER NAME | MOTHER NAME | COURSE | CGPA | AGE | BRANCH | \ |
|----|------------------|--------------------|--------|------|-----|------------------|---|
| 21 | SYED.BAJI | SYED.SARTHAJ BEGUM | DS | 0.70 | 19 | DS | |
| 4 | B.lakshmaiah | B.veramma | DS | 0.72 | 23 | Computer science | |
| 24 | T.vasu | T.jaya | DS | 0.75 | 19 | Data Science | |
| 32 | Appa rao Patcha | Renuka Patcha | DS | 0.75 | 18 | Data Science | |
| 13 | Veeraswamy.v | Lakshmi.v | DS | 0.98 | 20 | Data Science | |
| 14 | Patcha apparao | Patcha sukanya | CSE | 0.99 | 20 | Data science | |
| 2 | Rama Chandra Rao | Venkateswaramma | MECH | 7.00 | 20 | mech | |
| 16 | Srinivasa reddy | Jyothi | DS | 7.00 | 19 | Data science | |
| 45 | Yedukondalu | Nirmala | DS | 7.00 | 20 | Data science | |
| 11 | PODILI RAMESH | PODILI ADILAKSHMI | DS | 7.50 | 19 | DATA SCIENCE | |

| | SEMISTER | UIDAI NO |
|----|----------|----------------|
| 21 | 2-2 | 764320730678 |
| 4 | 2-2 | 895444662410 |
| 24 | 2-2 | 673112205183 |
| 32 | 2-2 | 573041880949 |
| 13 | 2-2 | 510305345824 |
| 14 | 2-2 | 744020413963 |
| 2 | 4 | 930319053088 |
| 16 | 2-2 | 424973081348 |
| 45 | 2-2 | 2387 7088 9424 |
| 11 | 2-2 | 458689741091 |

```
largest=Data.nlargest(10,"CGPA")
print(largest)
```

| | Gmail | STUDENT NAME | ROLL NUMBER | \ |
|----|-------------------------------|-------------------------|-------------|---|
| 38 | abdulabdul22070@gmail.com | Syed.Abdul Rehaman | 21KP1A44A6 | |
| 48 | sriharshanallabothu@gmail.com | Nallabothu. Sri Harsha | 21KP1A4469 | |
| 50 | arundathi0508@gmail.com | PANDA UMA ARUNDATHI | 21KP1A4474 | |
| 1 | adilakshmi4765@gmail.com | N.Venkatesh | 21KP1A4468 | |
| 5 | ramyayalabolu123r@gmail.com | Y.Ramya | 21KP1A44C8 | |
| 17 | shaiksakina05@gmail.com | Shaik sameer | 21KP1A44A3 | |
| 27 | ravuakshaya@gmail.com | Ravu.akshaya | 21KP1A4485 | |
| 36 | nikitharayapati9@gmail.com | Nikhitha Rayapati | 21KP1A4487 | |
| 43 | paladugudurga1@gmail.com | P. Durga Sri | 21KP1A4473 | |
| 44 | saidashaik371@gmail.com | SHAIK SAIDA ANWAR BASHA | 21KP1A44A2 | |

| | FATHER NAME | MOTHER NAME | COURSE | CGPA | AGE | \ |
|----|------------------------|------------------------|--------|------|-----|---|
| 38 | Syed.Meera Sharif | Bandi.Krishna veni | DS | 90.0 | 20 | |
| 48 | Nallabothu. Anjaneyulu | Nallabothu. Anitha | DS | 90.0 | 21 | |
| 50 | PANDA NARAYANA RAO | PANDA PRASANNA LAKSHMI | DS | 87.0 | 19 | |

| | | | | | |
|----|----------------------|----------------------|-----|------|----|
| 1 | N.Manikya Rao | N.Sri Lakshmi | CSE | 83.0 | 19 |
| 5 | Y.Anjaiah | Y Lakshmi Rajyam | DS | 80.0 | 19 |
| 17 | Shaik Rahim babu | Shaik Raziya | DS | 80.0 | 20 |
| 27 | Ravu.srinivasrao | Ravu.aruna kumari | DS | 80.0 | 19 |
| 36 | Rayapati hanumathrao | Rayapati malleswari | DS | 80.0 | 19 |
| 43 | P. Amareswara rao | P. Seshu Kumari | DS | 80.0 | 20 |
| 44 | SHAIK KUDHAN VALI | SHAIK SAIDA HUSSANBI | DS | 80.0 | 20 |

| | BRANCH | SEMISTER | UIDAI NO |
|----|-------------------|----------|--------------|
| 38 | DS | 2-2 | 347853509974 |
| 48 | CSD | 2-2 | 208611060176 |
| 50 | CSD | 2-2 | 652650486629 |
| 1 | CSE-DS | II-II | 602515258256 |
| 5 | CSD | 2-2 | 724574588425 |
| 17 | DS | 2-2 | 529261464345 |
| 27 | Ds | 2.2 | 544305783128 |
| 36 | Ds | 2-2 | 963360828294 |
| 43 | CSD(Data Science) | 2-2 | 692162661608 |
| 44 | DATASCIENCE | 2-2 | 466722650274 |

```
grouping>Data.groupby(['AGE','BRANCH'])
```

```
grouping.first()
```

| Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGPA | SEMISTER | UIDAI NO |
|-------|--------------------|-------------------------------|---------------------------|-------------|---------------------|------------------|----------|---------------------------|
| AGE | BRANCH | | | | | | | |
| 18 | Data Science | indupriya72216@gmail.com | Indu Priya Patcha | 21KP1A 4476 | Appa rao Patcha | Renuka Patcha | DS | 0.75 2-2 5730418 80949 |
| | Data science | rahamtunnisashaik09@gmail.com | Shaik Rahamtunnisa | 21KP1A 44A0 | Shaik.maha boobjani | Shaik.munni | DS | 8.00 2-2 4069761 69351 |
| | CSD | ramyayalabolu123r@gmail.com | Y.Ramya | 21KP1A 44C8 | Y.Anjaiah | Y Lakshmi Rajyam | DS | 80.00 2-2 7245745 88425 |
| 19 | CSD (Data science) | nrajasambasivarao@gmail.com | Narra Raja Samba Siva Rao | 21KP1A 4471 | Narra SrinivasaRao | Narra Ramadevi | DS | 7.50 4 8354579 02826 |
| | CSE (Data science) | tammasaithi1@gmail.com | Tamma Sahithi | 21KP1A 44B0 | Tamma krishna reddy | Tamma Padmavathi | DS | 7.70 2-2 6853498 32128 |
| | CSE-DS | adilakshmi4765@gmail.com | N.Venkatesh | 21KP1A 4468 | N.Manikya Rao | N.Sri Lakshmi | CSE | 83.00 II-II 6025152 58256 |

| Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGPA | SEMESTER | UIDAI NO |
|-------|-------------------|-----------------------------------|-----------------------------|-------------|---------------------------|-------------------------|----------|------------------------|
| AGE | BRANCH | | | | | | | |
| | Cse-Data Science | sudhamshavejendla@gmail.com | Vejendla Devi Sri Sudhamsha | 21KP1A 44C4 | Vejendla Srinivass Rao | Vejendla Laxmi Prasanna | CSE | 70.00 2/2 587480445790 |
| | DATA SCIENCE | sowjanyathota11@gmail.com | T.SOWJANYA NYA | 21KP1A 44B6 | T.SAMBA SIVA RAO | T.ARUNA KUMARI | DS | 8.00 2-2 338666948901 |
| | DS | syedtasleem07@gmail.com | Syed Tasleem Afroze | 21KP1A 44A9 | Syed Rahiman | Syed Naseema | MECH | 8.00 2-2 617020354793 |
| | Da | saisairam068@gmail.com | Sairam | 21kp1a 44b4 | Venkata subbiah | Ravanamma | CSE | 10.00 2-2 746109575146 |
| | Data Science | manu952041@gmail.com | Pachipulu su Manohar | 21KP1A 4472 | Pachipulusu Prasad | Pachipulusu Bhavani | MECH | 8.50 2-2 559366114423 |
| | Data Science | gayathripolepalli70@gmail.com | POLEPAL LI. GAYATH RI | 21KP1A 4481 | POLEPALLI GURUBRAMA CHARI | POLEPALLI. SRIDEVI | DS | 10.00 2-2 721819168061 |
| | Data science | vanukuri.raghava@gmail.com | Raghava | 21KP1A 44C3 | Srinivasa reddy | Jyothi | DS | 7.00 2-2 424973081348 |
| | Data science | vennachandana1@gmail.com | Venna Chandana | 21KP1A 44C5 | Venna Ramanared dy | Venna Lakshmidevi | DS | 8.00 2-2 636336922883 |
| | Ds | ravuakshaya@gmail.com | Ravu.aks haya | 21KP1A 4485 | Ravu.srinivasrao | Ravu.aruna kumari | DS | 80.00 2.2 544305783128 |
| | cse | indhupotla123@gmail.com | indhu priya | 21KP1A 4483 | Lakshmanar ayana | Sujatha | CSE | 72.00 2-2 524345891620 |
| | ds | shaikkarishma811@gmail.com | shaik karishma | 21KP1A 4496 | SHAIK BAJI | SHAIK KHADRUN | DS | 9.00 2-2 663048521599 |
| | CSD(Data Science) | paladugudurga1@gmail.com | P. Durga Sri | 21KP1A 4473 | P. Amareswar a rao | P. Seshu Kumari | DS | 80.00 2-2 692162661608 |
| 20 | CSE | sandeepyeruva1124@gmail.com | Yeruva sandeep reddy | 21KP1A 44D1 | Yeruva Ajay Kumar reddy | Yeruva Anjali Devi | CSE | 9.50 2-3 576154990146 |
| | Computer Science | undelachandraobulareddy@gmail.com | Undela Chandra Obula Reddy | 21KP1A 44B9 | Undela Chinna Obula Reddy | Undela GuruLakshmi | DS | 9.20 2-2 693621780842 |

| Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGPA | SEMESTER | UIDA I NO |
|-------|---|-------------------------------------|-------------------------------|-------------|----------------------|----------------------|----------|-------------------------|
| AGE | BRANCH | | | | | | | |
| | Computer Science Engineering & Data Science | vallu.srinu756939@gmail.com | Vallu Srinu Siva Subrahmanyam | 21KP1A 44C1 | Vallu Srinivasa Rao | Vallu Surya kumari | DS | 73.00 4 ***** ** |
| | DATASCIENCE | saidashaik371@gmail.com | SHAIK SAIDA ANWAR BASHA | 21KP1A 44A2 | SHAIK KUDHAN VALI | SHAIK SAIDA HUSSANBI | DS | 80.00 2-2 4667226 50274 |
| | DS | shaiksakina05@gmail.com | Shaik sameer | 21KP1A 44A3 | Shaik Rahim babu | Shaik Raziya | DS | 80.00 2-2 5292614 64345 |
| | Data Science | abdulkhadar6842@gmail.com | Shaik.Abd ul Khadar | 21KP1A 4493 | Shaik.Kareem | Shaik.Farjana | ECE | 8.0 2-2 3347082 89154 |
| | Data Science | kumarvalaparla890@gmail.com | Venkata Aravind Kumar.V | 21KP1A 44C0 | Veeraswamy.v | Lakshmi.v | DS | 0.98 2-2 5103053 45824 |
| | Data science | mvkbn1312@gmail.com | R.M.V.K. Brahma Naidu | 21KP1A 4489 | Yedukondalu | Nirmala | DS | 7.0 2-2 2387 7088 9424 |
| | Data science | patchachinnu3@gmail.com | Patcha Jaswanth | 21KP1A 4477 | Patcha apparaao | Patcha sukanya | CSE | 0.99 2-2 7440204 13963 |
| | mech | sravankumar7156@gmail.com | Sravan Kumar | 21KP1A 4488 | Rama Chandra Rao | Venkateswar amma | MECH | 7.0 4 9303190 53088 |
| | CSD | rabbanishaik7356@gmail.com | SHAIK RABBANI | 21KP1A 4499 | SHAIK MOHAMMAD HANIF | SHAIK MALIN | DS | 9.50 2-2 2059339 56204 |
| 21 | Data science | bhuvanstarpuli@gmail.com | Puli bhuvanes war | 21KP1A 4484 | Puli mallikarjuna | Puli ramadevi | DS | 8.30 2.2 9505192 07474 |
| | Ds | shiakmobin2002@gmail.com | Shaikmobin | 21KP1A 4497 | shaik karimullah | Shaik rihana | DS | 8.80 2.2 9043556 56468 |
| 23 | Computer science | sivajibejjanki@gmail.com | B.sivaji | 22kp5a 4402 | B.lakshmaiah | B.veramma | DS | 0.72 2-2 8954446 62410 |
| 18 h | cse | hemasanjushasanikomm u828@gmail.com | hema sanjusha | 21KP1A 4491 | musalareddy | sivaparvathi | CSE | 73.00 2-2 4223148 63763 |

```
Data.describe()
```

```
CGPA  
count52.000000  
mean37.657500  
std35.381352  
min0.700000  
25%8.000000  
50%9.800000  
75%75.000000  
max90.000000
```

```
df=Data.groupby('COURSE').get_group('DS')
```

```
df
```

| GR MAIL | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CG PA | AGE | BRA NCH | SEMIST ER | UI DA I NO |
|---------|-------------------------------|--------------------|-------------|----------------------------|--------------------|-------|-------|---------|--------------------|-------------------|
| 0 | vennachandana1@gmail.com | Venna Chandana | 21KP1 A44C5 | Venna Ramanareddy | Venna Lakshmidevi | DS | 8.00 | 19 | Data science | 2-2 636336 922883 |
| 4 | sivajibejjanki@gmail.com | B.sivaji | 22kp5a 4402 | B.lakshmaiah | B.veramma | DS | 0.72 | 23 | Computer science | 2-2 895444 662410 |
| 5 | ramyayalabolu123r@gmail.com | Y.Ramya | 21KP1 A44C8 | Y.Anjaiah | Y Lakshmi Rajyam | DS | 80.00 | 19 | CSD | 2-2 724574 588425 |
| 6 | charithareddy3914@gmail.com | P.charitha reddy | 21KP1 A4475 | P.Madhava Reddy | P.Kavitha | DS | 70.00 | 19 | CSD | 2.2 810177 524502 |
| 7 | gayathripolepalli70@gmail.com | POLEPALI. GAYATHRI | 21KP1 A4481 | POLEPALLI. GURUBRAMA CHARI | POLEPALLI .SRIDEVI | DS | 10.00 | 19 | Data Science | 2-2 721819 168061 |
| 9 | sowjanyathota11@gmail.com | T.SOWJANYA | 21KP1 A44B6 | T.SAMBA SIVA RAO | T.ARUNA KUMARI | DS | 8.00 | 19 | DATA SCIENC E | 2-2 338666 948901 |
| 10 | tammasaithi1@gmail.com | Tamma Sahithi | 21KP1 A44B0 | Tamma krishna reddy | Tamma Padmavathi | DS | 7.70 | 19 | CSE (Data science) | 2-2 685349 832128 |

| GRADUATION | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGPA | AGE | BRA NCH | SEMESTER | UIDA I NO |
|------------|-----------------------------------|-------------------------------|-------------|---------------------------|----------------------|------|-------|---------|--|-------------------|
| 11 | podilisarayu6@gmail.com | PODILI LAKSHMI SARAYU | 21KP1 A4480 | PODILI RAMESH | PODILI ADILAKSH MI | DS | 7.50 | 19 | DATA SCIENCE | 2-2 458689 741091 |
| 12 | shaikkarishma811@gmail.com | shaik karishma | 21KP1 A4496 | SHAIK BAJI | SHAIK KHADRUNK | DS | 9.00 | 19 | ds | 2-2 663048 521599 |
| 13 | kumarvalaparla890@gmail.com | Venkata Aravind Kumar.V | 21KP1 A44C0 | Veeraswamy .v | Lakshmi.v | DS | 0.98 | 20 | Data Science | 2-2 510305 345824 |
| 16 | vanukuri.raghava@gmail.com | Raghava | 21KP1 A44C3 | Srinivasa reddy | Jyothi | DS | 7.00 | 19 | Data science | 2-2 424973 081348 |
| 17 | shaiksakina05@gmail.com | Shaik sameer | 21KP1 A44A3 | Shaik Rahim babu | Shaik Raziya | DS | 80.00 | 20 | DS | 2-2 529261 464345 |
| 18 | us465249@gmail.com | S sk usman | 21KP1 A4492 | S sk mastan vali | Mahabobba | DS | 50.00 | 19 | DS | 2-2 568753 875709 |
| 19 | vallu.srinu756939@gmail.com | Vallu Srinu Siva Subrahmanyam | 21KP1 A44C1 | Vallu Srinivasa Rao | Vallu Surya kumari | DS | 73.00 | 20 | Computer Science Engineering& Data Science | 4 ***** *** |
| 20 | undelachandraobulareddy@gmail.com | Undela Chandra Obula Reddy | 21KP1 A44B9 | Undela Chinna Obula Reddy | Undela GuruLakshmi | DS | 9.20 | 20 | Computer Science | 2-2 693621 780842 |
| 21 | farukh.786syed@gmail.com | SYED.FA RUKH | 21KP1 A44A7 | SYED.BAJI | SYED.SAR THAJ BEGUM | DS | 0.70 | 19 | DS | 2-2 764320 730678 |
| 22 | anushayalabolu12@gmail.com | Anusha yalabolu | 21KP1 A44C7 | Chinna anjayya | Lakshmi narayananama | DS | 75.00 | 19 | CSD | 2-2 830785 066037 |
| 23 | madhulathasure9@gmail.com | SURE. MADHUL ATHA | 21KP1 A44A4 | SURE.VISW ANADHAM | SURE.SAI LAKSHMI | DS | 10.00 | 20 | Data science | 2-2 776486 062608 |
| 24 | thammisettsrikanthraj9@gmail.com | T.Srikanth | 21KP1 A44B5 | T.vasu | T.jaya | DS | 0.75 | 19 | Data Science | 2-2 673112 205183 |
| 25 | shiakmabin2002@gmail.com | Shaikmobi n | 21KP1 A4497 | shaik karimullah | Shaik rihana | DS | 8.80 | 21 | Ds | 2.2 904355 656468 |
| 27 | ravuakshaya@gmail.com | Ravu.akshaya | 21KP1 A4485 | Ravu.srinivasrao | Ravu.aruna kumari | DS | 80.00 | 19 | Ds | 2.2 544305 783128 |
| 29 | ynagasasikumar@gmail.com | Y Naga Sasi Kumar | 21KP1 A44D0 | Y Rama mohanrao | Y Lalitha | DS | 9.20 | 20 | Data Science | 2-2 448172 496292 |

| GRADUATION MAIL | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGPA | AGE | BRA NCH | SEMISTER | UIDA I NO |
|-----------------|---------------------------------|-------------------------------|-------------|------------------------|----------------------|------|--------|---------|--------------------|--------------------|
| 30 | rahamtunnisashaik09@gmail.com | Shaik Rahamtun nisa | 21KP1 A44A0 | Shaik.mahab oobjani | Shaik.munn i | DS | 8.0 0 | 18 | Data science | 2-2 406976 169351 |
| 31 | harikabangaram313@gmail.com | Harika | 22KP5 A4401 | A.Subraman yam | A.Dhana Bhagyam | DS | 75. 00 | 19 | Data science | 2-2 574930 568520 |
| 32 | indupriya72216@gmail.com | Indu Priya Patcha | 21KP1 A4476 | Appa rao Patcha | Renuka Patcha | DS | 0.7 5 | 18 | Data Science | 2-2 573041 880949 |
| 33 | bhavyasrisaja2003@gmail.com | Bhavya sri | 21KP1 A4490 | Mohan krishna | Usha rani | DS | 70. 00 | 19 | Ds | 2-2 274736 890047 |
| 35 | bhanuthanirru@gmail.com | Thanirru Bhanu venkata prasad | 21KP1 A44B2 | T sathyaranay ana | T rama devi | DS | 9.6 0 | 19 | Data Science | 2-2 357228 202835 |
| 36 | nikitharayapati9@gmail.com | Nikhitha Rayapati | 21KP1 A4487 | Rayapati hanumathrao | Rayapati malleswari | DS | 80. 00 | 19 | Ds | 2-2 963360 828294 |
| 38 | abdulabdul22070@gmail.com | Syed.Abd ul Rehaman | 21KP1 A44A6 | Syed.Meera Sharif | Bandi.Krish na veni | DS | 90. 00 | 20 | DS | 2-2 347853 509974 |
| 40 | rabbanishaik7356@gmail.com | SHAIK RABBANI | 21KP1 A4499 | SHAIK MOHAMMA D HANIF | SHAIK MALIN | DS | 9.5 0 | 21 | CSD | 2-2 205933 956204 |
| 41 | reshmayalamanchi@gmail.com | Reshma yalamanc hi | 21KP1 A44C9 | Yalamanchi subba Rao | Yalamanchi sunitha | DS | 75. 00 | 19 | DS | 4 742366 316353 |
| 42 | thiriveedhinagajyothi@gmail.com | T. Nagajyothi | 21KP1 A44B7 | T. Venkayya | T. Ramanjam ma | DS | 75. 00 | 19 | DS | 4 330477 145525 |
| 43 | paladugudurga1@gmail.com | P. Durga Sri | 21KP1 A4473 | P. Amareswara rao | P. Seshu Kumari | DS | 80. 00 | 20 | CSD(Dat a Science) | 2-2 692162 661608 |
| 44 | saidashaik371@gmail.com | SHAIK SAIDA ANWAR BASHA | 21KP1 A44A2 | SHAIK KUDHAN VALI | SHAIK SAIDA HUSSANBI | DS | 80. 00 | 20 | DATAS CIENCE | 2-2 466722 650274 |
| 45 | mvkbn1312@gmail.com | R.M.V.K.B rahma Naidu | 21KP1 A4489 | Yedukondalu | Nirmala | DS | 7.0 0 | 20 | Data science | 2-2 2387 7088 9424 |
| 46 | nrajasambasivarao@gmail.com | Narra Raja Samba Siva Rao | 21KP1 A4471 | Narra SrinivasaRao | Narra Ramadevi | DS | 7.5 0 | 19 | CSD (Data science) | 4 835457 902826 |
| 48 | sriharshanallabothu@gmail.com | Nallabothu . Sri Harsha | 21KP1 A4469 | Nallabothu. Anjaneyulu | Nallabothu. Anitha | DS | 90. 00 | 21 | CSD | 2-2 208611 060176 |

| Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CG PA | AGE | BRA NCH | SEMIST ER | UID AI NO |
|-------|----------------------------|---------------------------|-------------|---------------------|-------------------------|-------|--------|---------|--------------|-------------------|
| 49 | bhuvanarpuli@gmail.com | Puli bhuvanes war | 21KP1 A4484 | Puli mallikarjuna | Puli ramadevi | DS | 8.3 0 | 21 | Data science | 2.2 950519 207474 |
| 50 | arundathi0508@gmail.com | PANDA UMA ARUNA THI | 21KP1 A4474 | PANDA NARAYANA RAO | PANDA PRASANN A LAKSHMI | DS | 87. 00 | 19 | CSD | 2-2 652650 486629 |
| 51 | chinnivignesh144@gmail.com | chinni vignesh teja yadav | 21KP1 A44C6 | Chinni Pratap Kumar | Chinni Bhargavi | DS | 80. 00 | 19 | Data Science | 2-2 639534 870436 |

df1=Data.groupby('COURSE').get_group('CSE')

df1

| Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CG PA | AGE | BRA NCH | SEMIS TER | UID AI NO |
|-------|-------------------------------------|-------------------------------|-------------|-------------------------|---------------------------|-------|--------|---------|--------------------|---------------------|
| 1 | adilakshmi4765@gmail.com | N.Venk atesh | 21KP1A 4468 | N.Manikya Rao | N.Sri Lakshmi | CS E | 83. 00 | 19 | CSE- DS | II-II 6025152 58256 |
| 3 | sandeepyeruva1124@gmail.com | Yeruva sandee p reddy | 21KP1A 44D1 | Yeruva Ajay Kumar reddy | Yeruva Anjali Devi | CS E | 9.5 0 | 20 | CSE | 2-3 5761549 90146 |
| 14 | patchachinnu3@gmail.com | Patcha Jaswan th | 21KP1A 4477 | Patcha apparao | Patcha sukanya | CS E | 0.9 9 | 20 | Data scienc e | 2-2 7440204 13963 |
| 28 | hemasanjushasanikommu 828@gmail.com | hema sanjush a | 21KP1A 4491 | musalaredd y | sivaparv athi | CS E | 73. 00 | 18h | cse | 2-2 4223148 63763 |
| 34 | sudhamshavejendla@gmail.com | Vejendl a Devi Sri Sudha msha | 21KP1A 44C4 | Vejendla Srinivass Rao | Vejendl a Laxmi Prasann a | CS E | 70. 00 | 19 | Cse- Data Scienc e | 2-2 5874804 45790 |
| 37 | indhupotla123@gmail.com | indhupriya | 21KP1A 4483 | Lakshmana rayana | Sujatha | CS E | 72. 00 | 19 | cse | 2-2 5243458 91620 |
| 39 | jaffershaisk718@gmail.com | Jaffer shaik | 21KP1A 4495 | shaik.LaiLa ha | shaik.R amjan bee | CS E | 70. 00 | 19 | cse | 2nd 9122292 76699 |

| Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGPA | AGE | BRA NCH | SEMIS TER | UID AI NO |
|-------|------------------------|-------------|----------------|-----------------|------------|------|--------|---------|-----------|----------------------|
| 47 | saisairam068@gmail.com | Sairam | 21kp1a4 4b4 | Venkata subbiah | Ravana mma | CS E | 10. 00 | 19 | Da | 2-2 7461095 75146 |

```
df2>Data.groupby('COURSE').get_group('MECH')
```

df2

| Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGP A | AG E | BRAN CH | SEMIST ER | UID AI NO |
|-------|----------------------------|-------------------------|----------------|------------------------|---------------------|-------|------|---------|--------------|----------------------|
| 2 | sravankumar7156@g mail.com | Sravan Kumar | 21KP1A4 488 | Rama Chandra Rao | Venkateswara mma | ME CH | 7.0 | 20 | mech | 4 93031905 3088 |
| 8 | syedtasleem07@gmail .com | Syed Tasleem Afroze | 21KP1A4 4A9 | Syed Rahiman | Syed Naseema | ME CH | 8.0 | 19 | DS | 2-2 61702035 4793 |
| 15 | manu952041@gmail.c om | Pachipul usu Manohar | 21KP1A4 472 | Pachipul usu Prasad | Pachipulusu Bhavani | ME CH | 8.5 | 19 | Data Science | 2-2 55936611 4423 |

```
df3>Data.groupby('COURSE').get_group('ECE')
```

df3

| Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHE RNAME | COURSE | CGP A | AG E | BRAN CH | SEMIST ER | UID AI NO |
|-------|----------------------------|---------------------|----------------|---------------|----------------|-------|------|---------|--------------|----------------------|
| 26 | abdulkhadar6842@gm ail.com | Shaik.Ab dul Khadar | 21KP1A4 493 | Shaik.Kar eem | Shaik.Farj ana | ECE | 8.0 | 20 | Data Science | 2-2 334708289 154 |

```
df4>Data.groupby('AGE').get_group(18)
```

df4

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGPA | AGE | BRANCH | SEMESTER | UIDAI NO |
|----|-------------------------------|--------------------|-------------|-------------------|---------------|--------|------|-----|--------------|----------|--------------|
| 30 | rahamtunnisashaik09@gmail.com | Shaik Rahamtunnisa | 21KP1A44A0 | Shaik.mahabobjani | Shaik.m unni | DS | 8.00 | 18 | Data science | 2-2 | 406976169351 |
| 32 | indupriya72216@gmail.com | Indu Priya Patcha | 21KP1A4476 | Appa rao Patcha | Renuka Patcha | DS | 0.75 | 18 | Data Science | 2-2 | 573041880949 |

In [22]:

df5=Data.groupby('AGE').get_group(19)

df5

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRA NCH | SEMIS TER | UIDAI NO |
|----|-------------------------------|-----------------------|-------------|------------------------------|--------------------|---------|-------|-------|--------------------|-----------|--------------|
| 0 | vennachandana1@gmail.com | Venna Chandana | 21KP1A44C5 | Venna Ramanared dy | Venna Lakshmidevi | DS | 8.00 | 19 | Data science | 2-2 | 636336922883 |
| 1 | adilakshmi4765@gmail.com | N.Venkatesh | 21KP1A4468 | N.Manikya Rao | N.Sri Lakshmi | CSE | 83.00 | 19 | CSE-DS | II-II | 602515258256 |
| 5 | ramyayalabolu123r@gmail.com | Y.Ramya | 21KP1A44C8 | Y.Anjaiah | Y Lakshmi Rajyam | DS | 80.00 | 19 | CSD | 2-2 | 724574588425 |
| 6 | charithareddy3914@gmail.com | P.charitha reddy | 21KP1A4475 | P.Madhava Reddy | P.Kavitha | DS | 70.00 | 19 | CSD | 2.2 | 810177524502 |
| 7 | gayathripolepalli70@gmail.com | POLEPALLI GAYATHRI | 21KP1A4481 | POLEPAL LI.GURUBR AHMA CHARI | POLEPALLI. SRIDEVI | DS | 10.00 | 19 | Data Science | 2-2 | 721819168061 |
| 8 | syedtasleem07@gmail.com | Syed Tasleem Afroze | 21KP1A44A9 | Syed Rahiman | Syed Naseema | MEC H | 8.00 | 19 | DS | 2-2 | 617020354793 |
| 9 | sowjanyathota11@gmail.com | T.SOWJAN YA | 21KP1A44B6 | T.SAMBA SIVA RAO | T.ARUNA KUMARI | DS | 8.00 | 19 | DAT A SCIE NCE | 2-2 | 338666948901 |
| 10 | tammasaithi1@gmail.com | Tamma Sahithi | 21KP1A44B0 | Tamma krishna reddy | Tamma Padmavathi | DS | 7.70 | 19 | CSE (Data science) | 2-2 | 685349832128 |
| 11 | podilisarayu6@gmail.com | PODILI LAKSHMIS ARAYU | 21KP1A4480 | PODILI RAMESH | PODILI ADILAKSHMI | DS | 7.50 | 19 | DAT A SCIE NCE | 2-2 | 458689741091 |

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRA NCH | SEMIS TER | UIDAI NO |
|--------|-----------------------------------|-------------------------------|-------------|------------------------|-------------------------|---------|--------|-------|-------------------|-----------|---------------|
| 1 2 | shaikkarishma811@gmail.com | shaik karishma | 21KP1A 4496 | SHAIK BAJI | SHAIK KHADRUN | DS | 9.00 | 19 | ds | 2-2 | 6630485 21599 |
| 1 5 | manu952041@gmail.com | Pachipulusu Manohar | 21KP1A 4472 | Pachipulusu Prasad | Pachipulusu Bhavani | MEC H | 8.50 | 19 | Data Scienc e | 2-2 | 5593661 14423 |
| 1 6 | vanukuri.raghava@gmail.com | Raghava | 21KP1A 44C3 | Srinivasa reddy | Jyothi | DS | 7.00 | 19 | Data scienc e | 2-2 | 4249730 81348 |
| 1 8 | us465249@gmail.com | S sk usman | 21KP1A 4492 | S sk mastan vali | Mahabobba | DS | 50.0 0 | 19 | DS | 2-2 | 5687538 75709 |
| 2 1 | farukh.786syed@gmail.com | SYED.FAR UKH | 21KP1A 44A7 | SYED.BA JI | SYED.SART HAJ BEGUM | DS | 0.70 | 19 | DS | 2-2 | 7643207 30678 |
| 2 2 | anushayalabolu12@gmail.com | Anusha yalabolu | 21KP1A 44C7 | Chinna anjayya | Lakshmi narayana | DS | 75.0 0 | 19 | CSD | 2-2 | 8307850 66037 |
| 2 4 | thammisettsrikanthraj 9@gmail.com | T.Srikanth | 21KP1A 44B5 | T.vasu | T.jaya | DS | 0.75 | 19 | Data Scienc e | 2-2 | 6731122 05183 |
| 2 7 | ravuakshaya@gmail.co m | Ravu.akshaya | 21KP1A 4485 | Ravu.sriniv asrao | Ravu.aruna kumari | DS | 80.0 0 | 19 | Ds | 2.2 | 5443057 83128 |
| 3 1 | harikabangaram313@g mail.com | Harika | 22KP5A 4401 | A.Subrama nyam | A.Dhana Bhagym | DS | 75.0 0 | 19 | Data scienc e | 2-2 | 5749305 68520 |
| 3 3 | bhavyasrisaja2003@g mail.com | Bhavya sri | 21KP1A 4490 | Mohan krishna | Usha rani | DS | 70.0 0 | 19 | Ds | 2-2 | 2747368 90047 |
| 3 4 | sudhamshavejendla@g mail.com | Vejendla Devi Sri Sudhamsha | 21KP1A 44C4 | Vejendla Srinivass Rao | Vejendla Laxmi Prasanna | CSE | 70.0 0 | 19 | Cse-Data Scienc e | 2_2 | 5874804 45790 |
| 3 5 | bhanuthanirru@gmail. com | Thanirru Bhanu venkata prasad | 21KP1A 44B2 | T sathyana ranya | T rama devi | DS | 9.60 | 19 | Data Scienc e | 2-2 | 3572282 02835 |
| 3 6 | nikitharayapati9@gmai l.com | Nikhitha Rayapati | 21KP1A 4487 | Rayapati hanumathr ao | Rayapati malleswari | DS | 80.0 0 | 19 | Ds | 2-2 | 9633608 28294 |
| 3 7 | indhupotla123@gmail. com | indhu priya | 21KP1A 4483 | Lakshmana rayana | Sujatha | CSE | 72.0 0 | 19 | cse | 2-2 | 5243458 91620 |
| 3 9 | jaffershalk718@gmail. com | Jaffer shaik | 21KP1A 4495 | shaik.LaiL aha | shaik.Ramjan bee | CSE | 70.0 0 | 19 | cse | 2nd | 9122292 76699 |
| 4 1 | reshmayalamanchi@g mail.com | Reshma yalamanchi | 21KP1A 44C9 | Yalamanch i subba Rao | Yalamanchi sunitha | DS | 75.0 0 | 19 | DS | 4 | 7423663 16353 |

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRA NCH | SEMIS TER | UIDAI NO |
|-----|---------------------------------|---------------------------|-------------|---------------------|------------------------|---------|--------|-------|--------------------|---------------|---------------|
| 4 2 | thiriveedhinagajyothi@gmail.com | T. Nagajyothi | 21KP1A 44B7 | T. Venkayya | T. Ramanjamma | DS | 75.0 0 | 19 | DS | 4 | 3304771 45525 |
| 4 6 | nrajasambasivarao@gmail.com | Narra Raja Samba Siva Rao | 21KP1A 4471 | Narra Srinivasa Rao | Narra Ramadevi | DS | 7.50 | 19 | CSD (Data science) | 4 | 8354579 02826 |
| 4 7 | saisairam068@gmail.com | Sairam | 21kp1a4 4b4 | Venkata subbiah | Ravanamma | CSE | 10.0 0 | 19 | Da | 2-2 | 7461095 75146 |
| 5 0 | arundathi0508@gmail.com | PANDA UMA ARUNDATHI | 21KP1A 4474 | PANDA NARAYANA RAO | PANDA PRASANNA LAKSHMI | DS | 87.0 0 | 19 | CSD | 2-2 | 6526504 86629 |
| 5 1 | chinnivignesh144@gmail.com | chinny vignesh teja yadav | 21KP1A 44C6 | Chinni Pratap Kumar | Chinni Bhargavi | DS | 80.0 0 | 19 | Data Science | 4th semeste r | 6395348 70436 |

df6=Data.groupby('AGE').get_group(20)

df6

| | Gmail | STUDEN T NAME | ROLL NUMB ER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRANC H | SEMIS TER | UIDAI NO |
|-----|-----------------------------|-------------------------------|--------------|-------------------------|--------------------|---------|--------|-------|--|-----------|---------------|
| 2 | sravankumar7156@gmail.com | Sravan Kumar | 21KP1 A4488 | Rama Chandra Rao | Venkatesw aramma | MEC H | 7.0 0 | 20 | mech | 4 | 9303190 53088 |
| 3 | sandeepyeruva1124@gmail.com | Yeruva sandeep reddy | 21KP1 A44D1 | Yeruva Ajay Kumar reddy | Yeruva Anjali Devi | CSE | 9.5 0 | 20 | CSE | 2-3 | 5761549 90146 |
| 1 3 | kumarvalaparla890@gmail.com | Venkata Aravind Kumar.V | 21KP1 A44C0 | Veeraswamy.v | Lakshmi.v | DS | 0.9 8 | 20 | Data Science | 2-2 | 5103053 45824 |
| 1 4 | patchachinnu3@gmail.com | Patcha Jaswanth | 21KP1 A4477 | Patcha apparao | Patcha sukanya | CSE | 0.9 9 | 20 | Data science | 2-2 | 7440204 13963 |
| 1 7 | shaiksakina05@gmail.com | Shaik sameer | 21KP1 A44A3 | Shaik Rahim babu | Shaik Raziya | DS | 80. 00 | 20 | DS | 2-2 | 5292614 64345 |
| 1 9 | vallu.srinu756939@gmail.com | Vallu Srinu Siva Subrahmanyam | 21KP1 A44C1 | Vallu Srinivasa Rao | Vallu Surya kumari | DS | 73. 00 | 20 | Computer Science Engineering& Data Science | 4 | ***** ***** |

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGPA | AGE | BRANCH | SEMESTER | UIDAI NO |
|----|----------------------------------|----------------------------|-------------|---------------------------|----------------------|--------|-------|-----|-------------------|----------|--------------|
| 20 | undelachandraobularedy@gmail.com | Undela Chandra Obula Reddy | 21KP1A44B9 | Undela Chinna Obula Reddy | Undela GuruLakshmi | DS | 9.20 | 20 | Computer Science | 2-2 | 693621780842 |
| 23 | madhulathasure9@gmail.com | SURE. MADHU LATHA | 21KP1A44A4 | SURE.VISWA NADHAM | SURE.SAI LAKSHMI | DS | 10.00 | 20 | Data science | 2-2 | 776486062608 |
| 26 | abdulkhadar6842@gmail.com | Shaik.Abdul Khadar | 21KP1A4493 | Shaik.Kareem | Shaik.Farjana | ECE | 8.00 | 20 | Data Science | 2-2 | 334708289154 |
| 29 | ynagasasikumar@gmail.com | Y Naga Sasi Kumar | 21KP1A44D0 | Y Rama mohanarao | Y Lalitha | DS | 9.20 | 20 | Data Science | 2-2 | 448172496292 |
| 38 | abdulabdu22070@gmail.com | Syed.Abdul Rehaman | 21KP1A44A6 | Syed.Meera Sharif | Bandi.Krishna veni | DS | 90.00 | 20 | DS | 2-2 | 347853509974 |
| 43 | paladugudurga1@gmail.com | P. Durga Sri | 21KP1A4473 | P. Amareswara rao | P. Seshu Kumari | DS | 80.00 | 20 | CSD(Data Science) | 2-2 | 692162661608 |
| 44 | saidashaik371@gmail.com | SHAIK SAIDA ANWAR BASHA | 21KP1A44A2 | SHAIK KUDHAN VALI | SHAIK SAIDA HUSSANBI | DS | 80.00 | 20 | DATASCIENCE | 2-2 | 466722650274 |
| 45 | mvkbn1312@gmail.com | R.M.V.K. Brahma Naidu | 21KP1A4489 | Yedukondalu | Nirmala | DS | 7.00 | 20 | Data science | 2-2 | 238770889424 |

df7=Data.groupby('AGE').get_group(21)

df7

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGPA | AGE | BRANCH | SEMESTER | UIDAI NO |
|----|-------------------------------|------------------------|-------------|------------------------|--------------------|--------|------|-----|--------|----------|--------------|
| 25 | shiakmomin2002@gmail.com | Shaikmomin | 21KP1A4497 | shaik karimullah | Shaik rihana | DS | 8.8 | 21 | Ds | 2.2 | 904355656468 |
| 40 | rabbanishaik7356@gmail.com | SHAIK RABBA NI | 21KP1A4499 | SHAIK MOHAM MAD HANIF | SHAIK MALIN | DS | 9.5 | 21 | CSD | 2-2 | 205933956204 |
| 48 | sriharshanallabothu@gmail.com | Nallabothu. Sri Harsha | 21KP1A4469 | Nallabothu. Anjaneyulu | Nallabothu. Anitha | DS | 90.0 | 21 | CSD | 2-2 | 208611060176 |

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COURSE | CGPA | AGE | BRANCH | SEMESTER | UIDAI NO |
|----|------------------------|------------------|-------------|-------------------|---------------|--------|------|-----|--------------|----------|--------------|
| 49 | bhuvanarpuli@gmail.com | Puli bhuvaneswar | 21KP1A4484 | Puli mallikarjuna | Puli ramadevi | DS | 8.3 | 21 | Data science | 2.2 | 950519207474 |

Data.replace({'18h':18},inplace=True)

Data

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | AGE | BRANC H | SEMI STER | UIDAI NO |
|----|-------------------------------|----------------------|-------------|-----------------------------|--------------------|---------|-------|-----|--------------------|-----------|--------------|
| 0 | vennachandana1@gmail.com | Venna Chandana | 21KP1A44C5 | Venna Ramanareddy | Venna Lakshmidevi | DS | 8.00 | 19 | Data science | 2-2 | 636336922883 |
| 1 | adilakshmi4765@gmail.com | N.Venkatesh | 21KP1A4468 | N.Manikya Rao | N.Sri Lakshmi | CSE | 83.00 | 19 | CSE-DS | II-II | 602515258256 |
| 2 | sravankumar7156@gmail.com | Sravan Kumar | 21KP1A4488 | Rama Chandra Rao | Venkateswar amma | MEC H | 7.00 | 20 | mech | 4 | 930319053088 |
| 3 | sandeepyruva1124@gmail.com | Yeruva sandeep reddy | 21KP1A44D1 | Yeruva Ajay Kumar reddy | Yeruva Anjali Devi | CSE | 9.50 | 20 | CSE | 2-3 | 576154990146 |
| 4 | sivajibejjanki@gmail.com | B.sivaji | 22kp5a4402 | B.lakshmaiah | B.veramma | DS | 0.72 | 23 | Computer science | 2-2 | 895444662410 |
| 5 | ramyayalabolu123r@gmail.com | Y.Ramya | 21KP1A44C8 | Y.Anjaiah | Y Lakshmi Rajyam | DS | 80.00 | 19 | CSD | 2-2 | 724574588425 |
| 6 | charithareddy3914@gmail.com | P.charitha reddy | 21KP1A4475 | P.Madhava Reddy | P.Kavitha | DS | 70.00 | 19 | CSD | 2.2 | 810177524502 |
| 7 | gayathripolepalli70@gmail.com | POLEPALI. GAYATHRI | 21KP1A4481 | POLEPALLI. GURUBRAHMA CHARI | POLEPALLI .SRIDEVI | DS | 10.00 | 19 | Data Science | 2-2 | 721819168061 |
| 8 | syedtasleem07@gmail.com | Syed Tasleem Afroze | 21KP1A44A9 | Syed Rahiman | Syed Naseema | MEC H | 8.00 | 19 | DS | 2-2 | 617020354793 |
| 9 | sowjanyathota11@gmail.com | T.SOWJANYA | 21KP1A44B6 | T.SAMBA SIVA RAO | T.ARUNA KUMARI | DS | 8.00 | 19 | DATA SCIENC E | 2-2 | 338666948901 |
| 10 | tammasaithi1@gmail.com | Tamma Sahithi | 21KP1A44B0 | Tamma krishna reddy | Tamma Padmavathi | DS | 7.70 | 19 | CSE (Data science) | 2-2 | 685349832128 |
| 11 | podilisarayu6@gmail.com | PODLI LAKSHMI SARAYU | 21KP1A4480 | PODLI RAMESH | PODLI ADILAKSH MI | DS | 7.50 | 19 | DATA SCIENC E | 2-2 | 458689741091 |

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRANC H | SEMI STER | UIDAI NO |
|-----|----------------------------------|-------------------------------|-------------|---------------------------|---------------------|---------|--------|-------|--|-----------|---------------|
| 1 2 | shaikkarishma811@gmail.com | shaik karishma | 21KP1 A4496 | SHAIK BAJI | SHAIK KHADRUN | DS | 9.0 0 | 19 | ds | 2-2 | 663048 521599 |
| 1 3 | kumarvalaparla890@gmail.com | Venkata Aravind Kumar.V | 21KP1 A44C0 | Veeraswamy.v | Lakshmi.v | DS | 0.9 8 | 20 | Data Science | 2-2 | 510305 345824 |
| 1 4 | patchachinnu3@gmail.com | Patcha Jaswanth | 21KP1 A4477 | Patcha apparao | Patcha sukanya | CSE | 0.9 9 | 20 | Data science | 2-2 | 744020 413963 |
| 1 5 | manu952041@gmail.com | Pachipulusu Manohar | 21KP1 A4472 | Pachipulusu Prasad | Pachipulusu Bhavani | MEC H | 8.5 0 | 19 | Data Science | 2-2 | 559366 114423 |
| 1 6 | vanukuri.raghava@gmail.com | Raghava | 21KP1 A44C3 | Srinivasa reddy | Jyothi | DS | 7.0 0 | 19 | Data science | 2-2 | 424973 081348 |
| 1 7 | shaiksakina05@gmail.com | Shaik sameer | 21KP1 A44A3 | Shaik Rahim babu | Shaik Raziya | DS | 80. 00 | 20 | DS | 2-2 | 529261 464345 |
| 1 8 | us465249@gmail.com | S sk usman | 21KP1 A4492 | S sk mastan vali | Mahabobba | DS | 50. 00 | 19 | DS | 2-2 | 568753 875709 |
| 1 9 | vallu.srinu756939@gmail.com | Vallu Srinu Siva Subrahmanyam | 21KP1 A44C1 | Vallu Srinivasa Rao | Vallu Surya kumari | DS | 73. 00 | 20 | Computer Science Engineering& Data Science | 4 | ***** ***** |
| 2 0 | undelachandraobularedy@gmail.com | Undela Chandra Obula Reddy | 21KP1 A44B9 | Undela Chinna Obula Reddy | Undela GuruLakshmi | DS | 9.2 0 | 20 | Computer Science | 2-2 | 693621 780842 |
| 2 1 | farukh.786syed@gmail.com | SYED.FAR UKH | 21KP1 A44A7 | SYED.BAJI | SYED.SART HAJ BEGUM | DS | 0.7 0 | 19 | DS | 2-2 | 764320 730678 |
| 2 2 | anushayalabolu12@gmail.com | Anusha yalabolu | 21KP1 A44C7 | Chinna anjaya | Lakshmi narayana | DS | 75. 00 | 19 | CSD | 2-2 | 830785 066037 |
| 2 3 | madhulathasure9@gmail.com | SURE. MADHUL ATHA | 21KP1 A44A4 | SURE.VISW ANADHAM | SURE.SAI LAKSHMI | DS | 10. 00 | 20 | Data science | 2-2 | 776486 062608 |
| 2 4 | thammisettsrikanthraj9@gmail.com | T.Srikanth | 21KP1 A44B5 | T.vasu | T.jaya | DS | 0.7 5 | 19 | Data Science | 2-2 | 673112 205183 |
| 2 5 | shiakmobin2002@gmail.com | Shaikmobin | 21KP1 A4497 | shaik karimullah | Shaik rihana | DS | 8.8 0 | 21 | Ds | 2.2 | 904355 656468 |
| 2 6 | abdulkhadar6842@gmail.com | Shaik.Abdul Khadar | 21KP1 A4493 | Shaik.Kareem | Shaik.Farjan a | ECE | 8.0 0 | 20 | Data Science | 2-2 | 334708 289154 |
| 2 7 | ravuakshaya@gmail.com | Ravu.akshaya | 21KP1 A4485 | Ravu.srinivasrao | Ravu.aruna kumari | DS | 80. 00 | 19 | Ds | 2.2 | 544305 783128 |

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRANC H | SEMI STER | UIDAI NO |
|----|------------------------------------|-------------------------------|-------------|------------------------|-------------------------|---------|-------|-------|--------------------|-----------|---------------|
| 28 | hemasanjushasanikommu828@gmail.com | hema sanjusha | 21KP1 A4491 | musala reddy | siva parvathi | CSE | 73.00 | 18 | cse | 2-2 | 422314 863763 |
| 29 | ynagasasikumar@gmail.com | Y Naga Sasi Kumar | 21KP1 A44D0 | Y Rama mohanarao | Y Lalitha | DS | 9.20 | 20 | Data Science | 2-2 | 448172 496292 |
| 30 | rahamtunnisashaik09@gmail.com | Shaik Rahamtunni sa | 21KP1 A44A0 | Shaik.mahabo objani | Shaik.munni | DS | 8.00 | 18 | Data science | 2-2 | 406976 169351 |
| 31 | harikabangaram313@gmail.com | Harika | 22KP5 A4401 | A.Subramanya m | A.Dhana Bhagym | DS | 75.00 | 19 | Data science | 2-2 | 574930 568520 |
| 32 | indupriya72216@gmail.com | Indu Priya Patcha | 21KP1 A4476 | Appa rao Patcha | Renuka Patcha | DS | 0.75 | 18 | Data Science | 2-2 | 573041 880949 |
| 33 | bhavyasrisajja2003@gmail.com | Bhavya sri | 21KP1 A4490 | Mohan krishna | Usha rani | DS | 70.00 | 19 | Ds | 2-2 | 274736 890047 |
| 34 | sudhamshavejendla@gmail.com | Vejendla Devi Sri Sudhamsha | 21KP1 A44C4 | Vejendla Srinivass Rao | Vejendla Laxmi Prasanna | CSE | 70.00 | 19 | Cse- Data Science | 2_2 | 587480 445790 |
| 35 | bhanuthanirru@gmail.com | Thanirru Bhanu venkata prasad | 21KP1 A44B2 | T sathyaranayana | T rama devi | DS | 9.60 | 19 | Data Science | 2-2 | 357228 202835 |
| 36 | nikitharayapati9@gmail.com | Nikhitha Rayapati | 21KP1 A4487 | Rayapati hanumathrao | Rayapati malle swari | DS | 80.00 | 19 | Ds | 2-2 | 963360 828294 |
| 37 | indhupotla123@gmail.com | indhupotla priya | 21KP1 A4483 | Lakshmanarayana | Sujatha | CSE | 72.00 | 19 | cse | 2-2 | 524345 891620 |
| 38 | abdulabdul22070@gmail.com | Syed.Abdul Rehaman | 21KP1 A44A6 | Syed.Meera Sharif | Bandi.Krishna veni | DS | 90.00 | 20 | DS | 2-2 | 347853 509974 |
| 39 | jaffershshaik718@gmail.com | Jaffer shaik | 21KP1 A4495 | shaik.LaiLaha | shaik.Ramjan bee | CSE | 70.00 | 19 | cse | 2nd | 912229 276699 |
| 40 | rabbanishaik7356@gmail.com | SHAIK RABBANI | 21KP1 A4499 | SHAIK MOHAMMAD HANIF | SHAIK MALIN | DS | 9.50 | 21 | CSD | 2-2 | 205933 956204 |
| 41 | reshmayalamanchi@gmail.com | Reshma yalamanchi | 21KP1 A44C9 | Yalamanchi subba Rao | Yalamanchi sunitha | DS | 75.00 | 19 | DS | 4 | 742366 316353 |
| 42 | thiriveedhinagajyothi@gmail.com | T. Nagajyothi | 21KP1 A44B7 | T. Venkayya | T. Ramanjamma | DS | 75.00 | 19 | DS | 4 | 330477 145525 |
| 43 | paladugudurga1@gmail.com | P. Durga Sri | 21KP1 A4473 | P. Amareswara rao | P. Seshu Kumari | DS | 80.00 | 20 | CSD(Dat a Science) | 2-2 | 692162 661608 |

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRANC H | SEMI STER | UIDAI NO |
|----|-------------------------------|---------------------------|-------------|------------------------|------------------------|---------|-------|-------|--------------------|--------------|----------------|
| 44 | saidashaik371@gmail.com | SHAIK SAIDA ANWAR BASHA | 21KP1A44A2 | SHAIK KUDHAN VALI | SHAIK SAIDA HUSSANBI | DS | 80.00 | 20 | DATASCIENCE | 2-2 | 466722 650274 |
| 45 | mvkbn1312@gmail.com | R.M.V.K.B rahma Naidu | 21KP1A4489 | Yedukondalu | Nirmala | DS | 7.00 | 20 | Data science | 2-2 | 2387 7088 9424 |
| 46 | nrajasambasivarao@gmail.com | Narra Raja Samba Siva Rao | 21KP1A4471 | Narra SrinivasaRao | Narra Ramadevi | DS | 7.50 | 19 | CSD (Data science) | 4 | 835457 902826 |
| 47 | saisairam068@gmail.com | Sairam | 21kp1a44b4 | Venkata subbiah | Ravanamma | CSE | 10.00 | 19 | Da | 2-2 | 746109 575146 |
| 48 | sriharshanallabothu@gmail.com | Nallabothu. Sri Harsha | 21KP1A4469 | Nallabothu. Anjaneyulu | Nallabothu. Anitha | DS | 90.00 | 21 | CSD | 2-2 | 208611 060176 |
| 49 | bhuvanstarpuli@gmail.com | Puli bhuvaneswar | 21KP1A4484 | Puli mallikarjuna | Puli ramadevi | DS | 8.30 | 21 | Data science | 2.2 | 950519 207474 |
| 50 | arundathi0508@gmail.com | PANDA UMA ARUNDATHI | 21KP1A4474 | PANDA NARAYANA RAO | PANDA PRASANNA LAKSHMI | DS | 87.00 | 19 | CSD | 2-2 | 652650 486629 |
| 51 | chinnivignesh144@gmail.com | chinni vignesh teja yadav | 21KP1A44C6 | Chinni Pratap Kumar | Chinni Bhargavi | DS | 80.00 | 19 | Data Science | 4th semester | 639534 870436 |

**Data.AGE=Data.AGE.astype(int)
Data**

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRANC H | SEMI STER | UIDAI NO |
|---|---------------------------|----------------|-------------|-------------------|-------------------|---------|-------|-------|--------------|-----------|---------------|
| 0 | vennachandana1@gmail.com | Venna Chandana | 21KP1A44C5 | Venna Ramanareddy | Venna Lakshmidevi | DS | 8.00 | 19 | Data science | 2-2 | 636336 922883 |
| 1 | adilakshmi4765@gmail.com | N.Venkatesh | 21KP1A4468 | N.Manikya Rao | N.Sri Lakshmi | CSE | 83.00 | 19 | CSE-DS | II-II | 602515 258256 |
| 2 | sravankumar7156@gmail.com | Sravan Kumar | 21KP1A4488 | Rama Chandra Rao | Venkateswar amma | MEC H | 7.00 | 20 | mech | 4 | 930319 053088 |

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRANC H | SEMI STER | UIDAI NO |
|----|-------------------------------|-------------------------|-------------|-----------------------------|---------------------|---------|--------|-------|----------------------------|-----------|---------------|
| 3 | sandeepyeyeruva1124@gmail.com | Yeruva sandeep reddy | 21KP1 A44D1 | Yeruva Ajay Kumar reddy | Yeruva Anjali Devi | CSE | 9.5 0 | 20 | CSE | 2-3 | 576154 990146 |
| 4 | sivajibejjanki@gmail.com | B.sivaji | 22kp5a 4402 | B.lakshmaiah | B.veramma | DS | 0.7 2 | 23 | Computer science | 2-2 | 895444 662410 |
| 5 | ramyayalabolu123r@gmail.com | Y.Ramya | 21KP1 A44C8 | Y.Anjaiah | Y Lakshmi Rajyam | DS | 80. 00 | 19 | CSD | 2-2 | 724574 588425 |
| 6 | charithareddy3914@gmail.com | P.charitha reddy | 21KP1 A4475 | P.Madhava Reddy | P.Kavitha | DS | 70. 00 | 19 | CSD | 2.2 | 810177 524502 |
| 7 | gayathripolepalli70@gmail.com | POLEPALI. GAYATHRI | 21KP1 A4481 | POLEPALLI. GURUBRAHMA CHARI | POLEPALLI .SRIDEVI | DS | 10. 00 | 19 | Data Science | 2-2 | 721819 168061 |
| 8 | syedtasleem07@gmail.com | Syed Tasleem Afroze | 21KP1 A44A9 | Syed Rahiman | Syed Naseema | MEC H | 8.0 0 | 19 | DS | 2-2 | 617020 354793 |
| 9 | sowjanyathota11@gmail.com | T.SOWJANYA | 21KP1 A44B6 | T.SAMBA SIVA RAO | T.ARUNA KUMARI | DS | 8.0 0 | 19 | DATA SCIENC E | 2-2 | 338666 948901 |
| 10 | tammasaithi1@gmail.com | Tamma Sahithi | 21KP1 A44B0 | Tamma krishna reddy | Tamma Padmavathi | DS | 7.7 0 | 19 | CSE (Data science) | 2-2 | 685349 832128 |
| 11 | podilisarayu6@gmail.com | PODILI LAKSHMI SARAYU | 21KP1 A4480 | PODILI RAMESH | PODILI ADILAKSH MI | DS | 7.5 0 | 19 | DATA SCIENC E | 2-2 | 458689 741091 |
| 12 | shaikkarishma811@gmail.com | shaik karishma | 21KP1 A4496 | SHAIK BAJI | SHAIK KHADRUN | DS | 9.0 0 | 19 | ds | 2-2 | 663048 521599 |
| 13 | kumarvalaparla890@gmail.com | Venkata Aravind Kumar.V | 21KP1 A44C0 | Veeraswamy.v | Lakshmi.v | DS | 0.9 8 | 20 | Data Science | 2-2 | 510305 345824 |
| 14 | patchachinnu3@gmail.com | Patcha Jaswanth | 21KP1 A4477 | Patcha apparao | Patcha sukanya | CSE | 0.9 9 | 20 | Data science | 2-2 | 744020 413963 |
| 15 | manu952041@gmail.com | Pachipulusu Manohar | 21KP1 A4472 | Pachipulusu Prasad | Pachipulusu Bhavani | MEC H | 8.5 0 | 19 | Data Science | 2-2 | 559366 114423 |
| 16 | vanukuri.raghava@gmail.com | Raghava | 21KP1 A44C3 | Srinivasa reddy | Jyothi | DS | 7.0 0 | 19 | Data science | 2-2 | 424973 081348 |
| 17 | shaiksakina05@gmail.com | Shaik sameer | 21KP1 A44A3 | Shaik Rahim babu | Shaik Raziya | DS | 80. 00 | 20 | DS | 2-2 | 529261 464345 |
| 18 | us465249@gmail.com | S sk usman | 21KP1 A4492 | S sk mastan vali | Mahabobba | DS | 50. 00 | 19 | DS | 2-2 | 568753 875709 |
| 19 | vallu.srinu756939@gmail.com | Vallu Srinu Siva | 21KP1 A44C1 | Vallu Srinivasa Rao | Vallu Surya kumari | DS | 73. 00 | 20 | Computer Science Engineeri | 4 | ***** ***** |

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRANC H | SEMI STER | UIDAI NO |
|----|------------------------------------|-------------------------------|-------------|---------------------------|-------------------------|---------|-------|-------|-------------------|-----------|--------------|
| | | Subrahmanyam | | | | | | | ng& Data Science | | |
| 20 | undelachandraobularedy@gmail.com | Undela Chandra Obula Reddy | 21KP1A44B9 | Undela Chinna Obula Reddy | Undela GuruLakshmi | DS | 9.20 | 20 | Computer Science | 2-2 | 693621780842 |
| 21 | farukh.786syed@gmail.com | SYED.FAR UKH | 21KP1A44A7 | SYED.BAJI | SYED.SART HAJ BEGUM | DS | 0.70 | 19 | DS | 2-2 | 764320730678 |
| 22 | anushayalabolu12@gmail.com | Anusha yalabolu | 21KP1A44C7 | Chinna anjayya | Lakshmi narayanaama | DS | 75.00 | 19 | CSD | 2-2 | 830785066037 |
| 23 | madhulathasure9@gmail.com | SURE. MADHUL ATHA | 21KP1A44A4 | SURE.VISW ANADHAM | SURE.SAI LAKSHMI | DS | 10.00 | 20 | Data science | 2-2 | 776486062608 |
| 24 | thammisettysrikanthraj9@gmail.com | T.Srikanth | 21KP1A44B5 | T.vasu | T.jaya | DS | 0.75 | 19 | Data Science | 2-2 | 673112205183 |
| 25 | shiakmobin2002@gmail.com | Shaikmobin | 21KP1A4497 | shaik karimullah | Shaik rihana | DS | 8.80 | 21 | Ds | 2.2 | 904355656468 |
| 26 | abdulkhadar6842@gmail.com | Shaik.Abdul Khadar | 21KP1A4493 | Shaik.Kareem | Shaik.Farjana | ECE | 8.00 | 20 | Data Science | 2-2 | 334708289154 |
| 27 | ravuakshaya@gmail.com | Ravu.akshaya | 21KP1A4485 | Ravu.srinivasa | Ravu.aruna kumari | DS | 80.00 | 19 | Ds | 2.2 | 544305783128 |
| 28 | hemasanjushasanikommu828@gmail.com | hema sanjusha | 21KP1A4491 | musalareddy | sivaparvathi | CSE | 73.00 | 18 | cse | 2-2 | 422314863763 |
| 29 | ynagasasikumar@gmail.com | Y Naga Sasi Kumar | 21KP1A44D0 | Y Rama mohanarao | Y Lalitha | DS | 9.20 | 20 | Data Science | 2-2 | 448172496292 |
| 30 | rahamtunnisashaik09@gmail.com | Shaik Rahamtunni sa | 21KP1A44A0 | Shaik.mahabo objani | Shaik.munni | DS | 8.00 | 18 | Data science | 2-2 | 406976169351 |
| 31 | harikabangaram313@gmail.com | Harika | 22KP5A4401 | A.Subramanya m | A.Dhana Bhagyam | DS | 75.00 | 19 | Data science | 2-2 | 574930568520 |
| 32 | indupriya72216@gmail.com | Indu Priya Patcha | 21KP1A4476 | Appa rao Patcha | Renuka Patcha | DS | 0.75 | 18 | Data Science | 2-2 | 573041880949 |
| 33 | bhavyasrisajja2003@gmail.com | Bhavya sri | 21KP1A4490 | Mohan krishna | Usha rani | DS | 70.00 | 19 | Ds | 2-2 | 274736890047 |
| 34 | sudhamshavejendla@gmail.com | Vejendla Devi Sri Sudhamsha | 21KP1A44C4 | Vejendla Srinivass Rao | Vejendla Laxmi Prasanna | CSE | 70.00 | 19 | Cse- Data Science | 2_2 | 587480445790 |
| 35 | bhanuthanirru@gmail.com | Thanirru Bhanu venkata prasad | 21KP1A44B2 | T sathyaranayana | T rama devi | DS | 9.60 | 19 | Data Science | 2-2 | 357228202835 |

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A GE | BRANC H | SEMI STER | UIDAI NO |
|-----|---------------------------------|---------------------------|-------------|------------------------|------------------------|---------|--------|------|--------------------|--------------|----------------|
| 3 6 | nikitharayapati9@gmail.com | Nikhitha Rayapati | 21KP1 A4487 | Rayapati hanumathrao | Rayapati malleswari | DS | 80. 00 | 19 | Ds | 2-2 | 963360 828294 |
| 3 7 | indhupotla123@gmail.com | indhupotla priya | 21KP1 A4483 | Lakshmanarayana | Sujatha | CSE | 72. 00 | 19 | cse | 2-2 | 524345 891620 |
| 3 8 | abdulabdul22070@gmail.com | Syed.Abdul Rehaman | 21KP1 A44A6 | Syed.Meera Sharif | Bandi.Krishna veni | DS | 90. 00 | 20 | DS | 2-2 | 347853 509974 |
| 3 9 | jaffershshaik718@gmail.com | Jaffer shaik | 21KP1 A4495 | shaik.LaiLaha | shaik.Ramjan bee | CSE | 70. 00 | 19 | cse | 2nd | 912229 276699 |
| 4 0 | rabbanishaik7356@gmail.com | SHAIK RABBANI | 21KP1 A4499 | SHAIK MOHAMMAD HANIF | SHAIK MALIN | DS | 9.5 0 | 21 | CSD | 2-2 | 205933 956204 |
| 4 1 | reshmayalamanchi@gmail.com | Reshma yalamanchi | 21KP1 A44C9 | Yalamanchi subba Rao | Yalamanchi sunitha | DS | 75. 00 | 19 | DS | 4 | 742366 316353 |
| 4 2 | thiriveedhinagajyothi@gmail.com | T. Nagajyothi | 21KP1 A44B7 | T. Venkayya | T. Ramanjamma | DS | 75. 00 | 19 | DS | 4 | 330477 145525 |
| 4 3 | paladugudurga1@gmail.com | P. Durga Sri | 21KP1 A4473 | P. Amareswara rao | P. Seshu Kumari | DS | 80. 00 | 20 | CSD(Dat a Science) | 2-2 | 692162 661608 |
| 4 4 | saidashaik371@gmail.com | SHAIK SAIDA ANWAR BASHA | 21KP1 A44A2 | SHAIK KUDHAN VALI | SHAIK SAIDA HUSSANBI | DS | 80. 00 | 20 | DATAS CIENCE | 2-2 | 466722 650274 |
| 4 5 | mvkbn1312@gmail.com | R.M.V.K.B rahma Naidu | 21KP1 A4489 | Yedukondalu | Nirmala | DS | 7.0 0 | 20 | Data science | 2-2 | 2387 7088 9424 |
| 4 6 | nrajasambasivarao@gmail.com | Narra Raja Samba Siva Rao | 21KP1 A4471 | Narra SrinivasaRao | Narra Ramadevi | DS | 7.5 0 | 19 | CSD (Data science) | 4 | 835457 902826 |
| 4 7 | saisairam068@gmail.com | Sairam | 21kp1a 44b4 | Venkata subbiah | Ravanamma | CSE | 10. 00 | 19 | Da | 2-2 | 746109 575146 |
| 4 8 | sriharshanallabothu@gmail.com | Nallabothu. Sri Harsha | 21KP1 A4469 | Nallabothu. Anjaneyulu | Nallabothu. Anitha | DS | 90. 00 | 21 | CSD | 2-2 | 208611 060176 |
| 4 9 | bhuvanarpuli@gmail.com | Puli bhuvaneswa r | 21KP1 A4484 | Puli mallikarjuna | Puli ramadevi | DS | 8.3 0 | 21 | Data science | 2.2 | 950519 207474 |
| 5 0 | arundathi0508@gmail.com | PANDA UMA ARUNDAT HI | 21KP1 A4474 | PANDA NARAYANA RAO | PANDA PRASANNA LAKSHMI | DS | 87. 00 | 19 | CSD | 2-2 | 652650 486629 |
| 5 1 | chinnivignesh144@gmail.com | chinni vignesh teja yadav | 21KP1 A44C6 | Chinni Pratap Kumar | Chinni Bhargavi | DS | 80. 00 | 19 | Data Science | 4th semester | 639534 870436 |

```
df4=Data.groupby('AGE').get_group(18)
```

```
df4
```

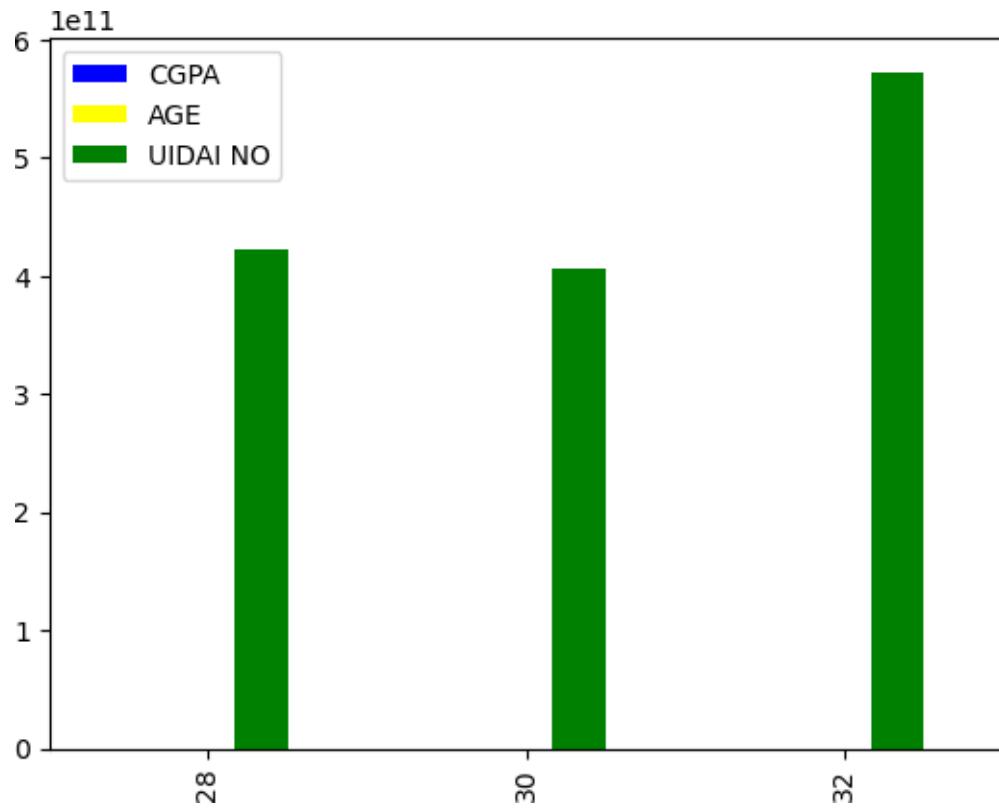
| | Gmail | STUDE NT NAME | ROLL NUMBE R | FATHER NAME | MOTH ER NAME | COU RSE | CG PA | AGE | BRAN CH | SEMIS TER | UIDAI NO |
|--------|--|---------------------------|----------------|------------------------|------------------|---------|-----------|-----|---------------------|-----------|------------------|
| 2 8 | hemasanjushasanikommu82 8@gmail.com | hema sanjusha | 21KP1A 4491 | musalareddy | sivaparv athi | CSE | 73.0 0 | 18 | cse | 2-2 | 42231486 3763 |
| 3 0 | rahamtunnisashaik09@gmai l.com | Shaik Rahamtu nnisa | 21KP1A 44A0 | Shaik.mahab oobjani | Shaik.m unni | DS | 8.00 | 18 | Data science | 2-2 | 40697616 9351 |
| 3 2 | indupriya72216@gmail.com | Indu Priya Patcha | 21KP1A 4476 | Appa rao Patcha | Renuka Patcha | DS | 0.75 | 18 | Data Scienc e | 2-2 | 57304188 0949 |

```
df4.plot.bar(color=['blue','yellow','green'])
```

```
df4
```

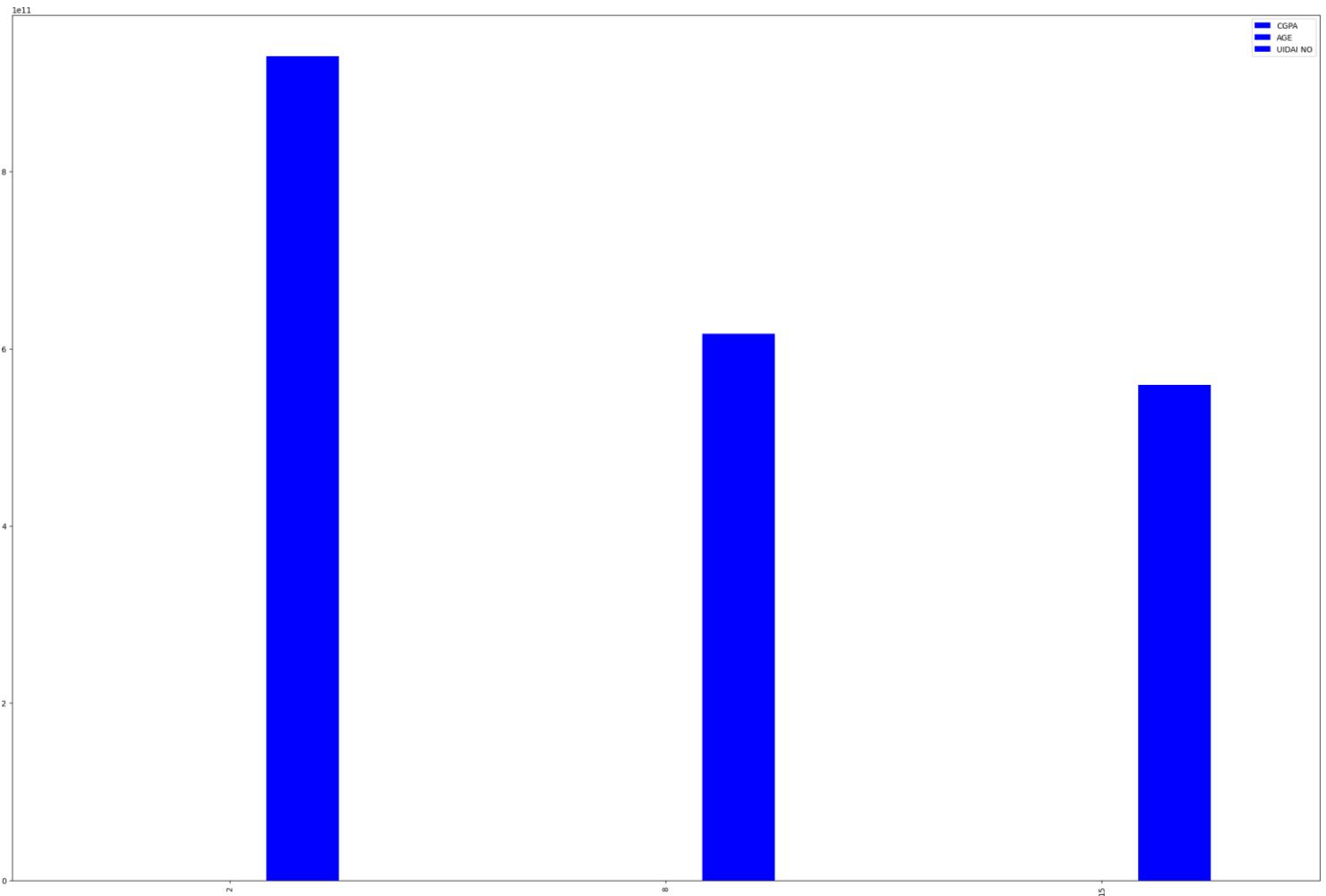
| | Gmail | STUDE NT NAME | ROLL NUMBE R | FATHER NAME | MOTH ER NAME | COU RSE | CG PA | AGE | BRAN CH | SEMIS TER | UIDAI NO |
|--------|--|---------------------------|----------------|------------------------|------------------|---------|-----------|-----|---------------------|-----------|------------------|
| 2 8 | hemasanjushasanikommu82 8@gmail.com | hema sanjusha | 21KP1A 4491 | musalareddy | sivaparv athi | CSE | 73.0 0 | 18 | cse | 2-2 | 42231486 3763 |
| 3 0 | rahamtunnisashaik09@gmai l.com | Shaik Rahamtu nnisa | 21KP1A 44A0 | Shaik.mahab oobjani | Shaik.m unni | DS | 8.00 | 18 | Data science | 2-2 | 40697616 9351 |
| 3 2 | indupriya72216@gmail.com | Indu Priya Patcha | 21KP1A 4476 | Appa rao Patcha | Renuka Patcha | DS | 0.75 | 18 | Data Scienc e | 2-2 | 57304188 0949 |

Displaying plot bar by AGE,CGPA,UIDAI NO



Displaying the plot bars

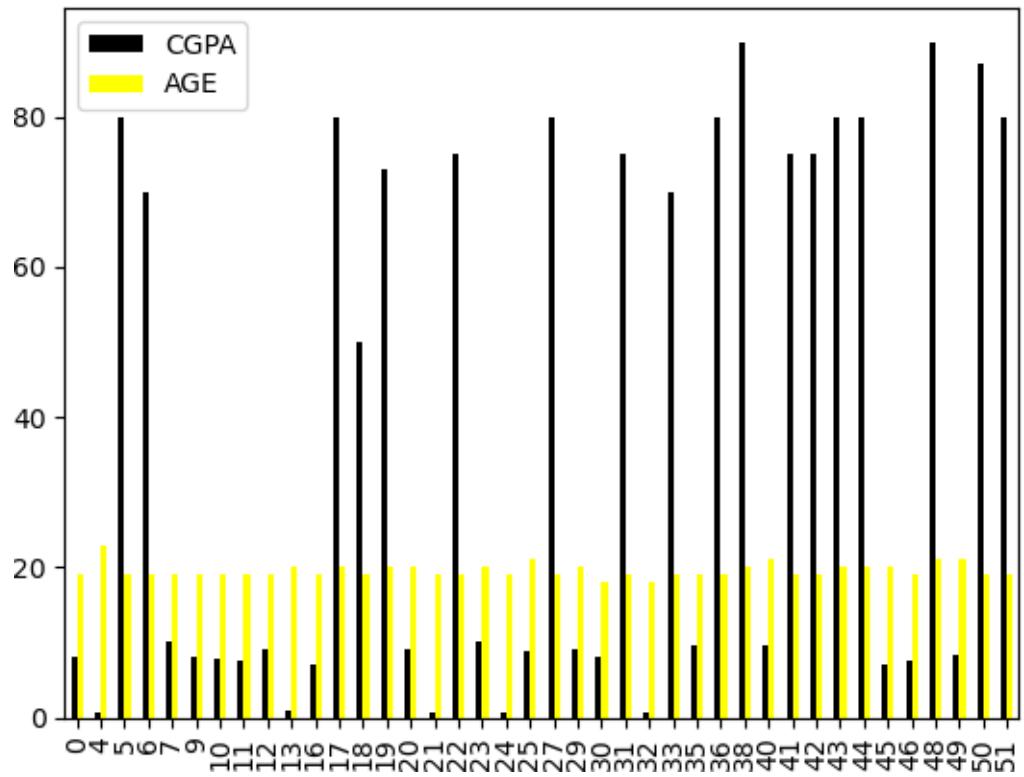
```
df2.plot.bar(color=['blue'], figsize=(30,20))
```



Displaying the CGPA and age of students

```
df.plot.bar(color=['black','yellow','purple'])
```

<Axes : >



df5

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRA NCH | SEMIS TER | UIDAI NO |
|---|--------------------------------|----------------------|-------------|-------------------------------|--------------------|---------|--------|-------|---------------|-----------|---------------|
| 0 | vennachandana1@gmai l.com | Venna Chandana | 21KP1A 44C5 | Venna Ramanared dy | Venna Lakshmi Devi | DS | 8.00 | 19 | Data scienc e | 2-2 | 6363369 22883 |
| 1 | adilakshmi4765@gmai l.com | N.Venkatesh | 21KP1A 4468 | N.Manikya Rao | N.Sri Lakshmi | CSE | 83.0 0 | 19 | CSE- DS | II-II | 6025152 58256 |
| 5 | ramyayalabolu123r@g mail.com | Y.Ramya | 21KP1A 44C8 | Y.Anjaiah | Y Lakshmi Rajyam | DS | 80.0 0 | 19 | CSD | 2-2 | 7245745 88425 |
| 6 | charithareddy3914@g mail.com | P.charitha reddy | 21KP1A 4475 | P.Madhava Reddy | P.Kavitha | DS | 70.0 0 | 19 | CSD | 2.2 | 8101775 24502 |
| 7 | gayathripolepalli70@g mail.com | POLEPALLI . GAYATHRI | 21KP1A 4481 | POLEPAL LI. GURUBR AHMA CHARI | POLEPALLI. SRIDEVI | DS | 10.0 0 | 19 | Data Scienc e | 2-2 | 7218191 68061 |
| 8 | syedtasleem07@gmail. com | Syed Tasleem Afroze | 21KP1A 44A9 | Syed Rahiman | Syed Naseema | MEC H | 8.00 | 19 | DS | 2-2 | 6170203 54793 |

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRA NCH | SEMIS TER | UIDAI NO |
|----|-----------------------------------|------------------------------|-------------|------------------------|-------------------------|---------|--------|-------|---------------------|-----------|---------------|
| 9 | sowjanyathota11@gmail.com | T.SOWJANYA | 21KP1A 44B6 | T.SAMBA SIVA RAO | T.ARUNA KUMARI | DS | 8.00 | 19 | DAT A SCIE NCE | 2-2 | 3386669 48901 |
| 10 | tammasaithi1@gmail.com | Tamma Sahithi | 21KP1A 44B0 | Tamma krishna reddy | Tamma Padmavathi | DS | 7.70 | 19 | CSE (Data scienc e) | 2-2 | 6853498 32128 |
| 11 | podilisarayu6@gmail.com | PODILI LAKSHMIS ARAYU | 21KP1A 4480 | PODILI RAMESH | PODILI ADILAKSHMI | DS | 7.50 | 19 | DAT A SCIE NCE | 2-2 | 4586897 41091 |
| 12 | shaikkarishma811@gmail.com | shaik karishma | 21KP1A 4496 | SHAIK BAJI | SHAIK KHADRUN | DS | 9.00 | 19 | ds | 2-2 | 6630485 21599 |
| 15 | manu952041@gmail.com | Pachipulusu Manohar | 21KP1A 4472 | Pachipulusu Prasad | Pachipulusu Bhavani | MEC H | 8.50 | 19 | Data Scienc e | 2-2 | 5593661 14423 |
| 16 | vanukuri.raghava@gmail.com | Raghava | 21KP1A 44C3 | Srinivasa reddy | Jyothi | DS | 7.00 | 19 | Data scienc e | 2-2 | 4249730 81348 |
| 18 | us465249@gmail.com | S sk usman | 21KP1A 4492 | S sk mastan vali | Mahabobba | DS | 50.0 0 | 19 | DS | 2-2 | 5687538 75709 |
| 21 | farukh.786syed@gmail.com | SYED.FAR UKH | 21KP1A 44A7 | SYED.BA JI | SYED.SART HAJ BEGUM | DS | 0.70 | 19 | DS | 2-2 | 7643207 30678 |
| 22 | anushayalabolu12@gmail.com | Anusha yalabolu | 21KP1A 44C7 | Chinna anjayya | Lakshmi narayana | DS | 75.0 0 | 19 | CSD | 2-2 | 8307850 66037 |
| 24 | thammisettsrikanthraj 9@gmail.com | T.Srikanth | 21KP1A 44B5 | T.vasu | T.jaya | DS | 0.75 | 19 | Data Scienc e | 2-2 | 6731122 05183 |
| 27 | ravuakshaya@gmail.co m | Ravu.akshay a | 21KP1A 4485 | Ravu.sriniv asrao | Ravu.aruna kumari | DS | 80.0 0 | 19 | Ds | 2.2 | 5443057 83128 |
| 31 | harikabangaram313@g mail.com | Harika | 22KP5A 4401 | A.Subrama nyam | A.Dhana Bhagym | DS | 75.0 0 | 19 | Data scienc e | 2-2 | 5749305 68520 |
| 33 | bhavyasrisaja2003@g mail.com | Bhavya sri | 21KP1A 4490 | Mohan krishna | Usha rani | DS | 70.0 0 | 19 | Ds | 2-2 | 2747368 90047 |
| 34 | sudhamshavejendla@g mail.com | Vejendla Devi Sri Sudhamsha | 21KP1A 44C4 | Vejendla Srinivass Rao | Vejendla Laxmi Prasanna | CSE | 70.0 0 | 19 | Cse- Data Scienc e | 2_2 | 5874804 45790 |
| 35 | bhanuthanirru@gmail. com | Thanirru Banu venkata prasad | 21KP1A 44B2 | T sathyana ranya | T rama devi | DS | 9.60 | 19 | Data Scienc e | 2-2 | 3572282 02835 |

| | Gmail | STUDENT NAME | ROLL NUMBER | FATHER NAME | MOTHER NAME | COU RSE | CG PA | A G E | BRA NCH | SEMIS TER | UIDAI NO |
|--------|----------------------------------|---------------------------|-------------|-----------------------|------------------------|---------|--------|-------|---------------------|---------------|---------------|
| 3 6 | nikitharayapati9@gmai l.com | Nikhitha Rayapati | 21KP1A 4487 | Rayapati hanumathrao | Rayapati malleswari | DS | 80.0 0 | 19 | Ds | 2-2 | 9633608 28294 |
| 3 7 | indhupotla123@gmail. com | indhu priya | 21KP1A 4483 | Lakshmana rayana | Sujatha | CSE | 72.0 0 | 19 | cse | 2-2 | 5243458 91620 |
| 3 9 | jaffershaik718@gmail. com | Jaffer shaik | 21KP1A 4495 | shaik.LaiL aha | shaik.Ramjan bee | CSE | 70.0 0 | 19 | cse | 2nd | 9122292 76699 |
| 4 1 | reshmayalamanchi@g mail.com | Reshma yalamanchi | 21KP1A 44C9 | Yalamanch i subba Rao | Yalamanchi sunitha | DS | 75.0 0 | 19 | DS | 4 | 7423663 16353 |
| 4 2 | thiriveedhinagajyothi@g mail.com | T. Nagajyothi | 21KP1A 44B7 | T. Venkayya | T. Ramanamma | DS | 75.0 0 | 19 | DS | 4 | 3304771 45525 |
| 4 6 | nrajasambasivarao@g mail.com | Narra Raja Samba Siva Rao | 21KP1A 4471 | Narra SrinivasaR ao | Narra Ramadevi | DS | 7.50 | 19 | CSD (Data scienc e) | 4 | 8354579 02826 |
| 4 7 | saisairam068@gmail.c om | Sairam | 21kp1a4 4b4 | Venkata subbiah | Ravanamma | CSE | 10.0 0 | 19 | Da | 2-2 | 7461095 75146 |
| 5 0 | arundathi0508@gmail. com | PANDA UMA ARUNDAT HI | 21KP1A 4474 | PANDA NARAYA NA RAO | PANDA PRASANNA LAKSHMI | DS | 87.0 0 | 19 | CSD | 2-2 | 6526504 86629 |
| 5 1 | chinnivignesh144@gm ail.com | chinni vignesh teja yadav | 21KP1A 44C6 | Chinni Pratap Kumar | Chinni Bhargavi | DS | 80.0 0 | 19 | Data Scienc e | 4th semeste r | 6395348 70436 |

y=df5.CGPA.value_counts()

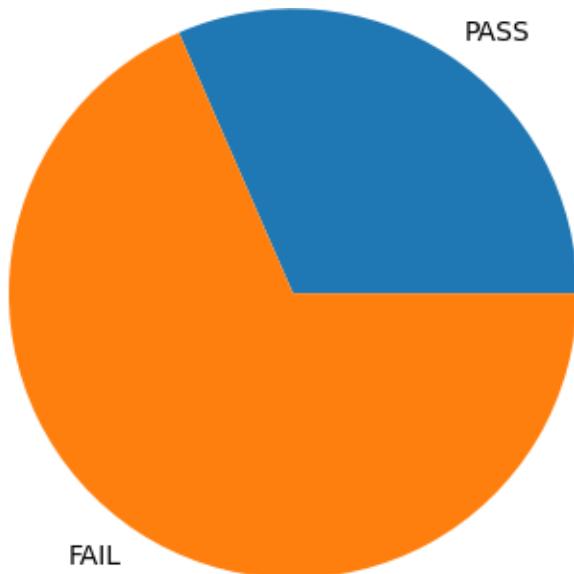
y

| | |
|-------|---|
| 80.00 | 4 |
| 70.00 | 4 |
| 75.00 | 4 |
| 8.00 | 3 |
| 10.00 | 2 |
| 7.50 | 2 |
| 0.70 | 1 |
| 72.00 | 1 |
| 9.60 | 1 |
| 0.75 | 1 |
| 8.50 | 1 |
| 50.00 | 1 |
| 7.00 | 1 |

```
83.00      1  
9.00       1  
7.70       1  
87.00      1  
Name: CGPA, dtype: int64
```

Visualizing the pass and fail percentage of students

```
df12=pd.DataFrame({ "Resultt":['PASS','FAIL'],"vals":[6,13]})  
plt.pie(df12["vals"],labels=df12["Resultt"])  
plt.show()
```

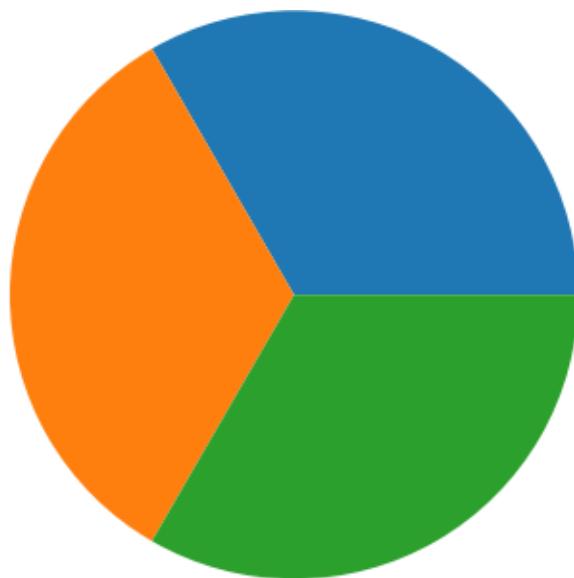


```
df11=df4.CGPA.value_counts()  
df11
```

```
73.00      1  
8.00       1  
0.75       1  
Name: CGPA, dtype: int64
```

Visualizing the CGPA values

```
e=plt.pie(df11)  
plt.show()
```



```
df32=df.BRANCH.value_counts()
```

```
df32
```

| | |
|--------------|---|
| CSD | 6 |
| DS | 6 |
| Data science | 5 |
| Ds | 4 |
| Data Science | 4 |

| | |
|--|---|
| Data Science | 3 |
| DATA SCIENCE | 2 |
| Data science | 2 |
| Computer science | 1 |
| CSE (Data science) | 1 |
| ds | 1 |
| Computer Science Engineering& Data Science | 1 |
| Computer Science | 1 |
| CSD (Data Science) | 1 |
| DATASCIENCE | 1 |
| CSD (Data science) | 1 |
| Name: BRANCH, dtype: int64 | |

SUMMARY

The project aims to Visualize the academic performance of students from different branches in a BTech collage. By collecting and analyzing the student data, including marks and rankings, the project seeks to provide insights into distribution of academic excellence across various branches.

By Visualizing student performance and rankings, this project aims to facilitate data-driven decision-making and promote continuous improvement in Academic quality within the BTech collages.