A PROJECT

On

STUDENT DATABASE ANALYSIS USING PYTHON

BACHELOR OF TECHNOLOGY

By

DEPARTMENT OF DATA SCIENCE

SHAIK SAIDA ANWAR BASHA 21KP1A44A2

Under the esteemed Guidance of

Er. S AKSHAY KUMAR CS CODENZ



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CS CODENZ

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 SK SAIDA ANWAR BASHA(21KP1A44A2) 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 2022-2023.

Signature of the Supervisor

Er. S AKSHAY KUMAR

CS CODENZ

Signature of the HOD

D. KOTESWARA RAO, MTech

Associate professor & HOD

Data Science, NRIIT

DECLARATION

I SHAIK SAIDA ANWAR BASHA (21KP1A44A2) 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.

Roll No	Name	Signature
21KP1A44A2	SHAIK SAIDA ANWAR BASHA	

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 nothave 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 (Ryzen5)
- ➤ 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
```

```
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
```

dtype: object

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

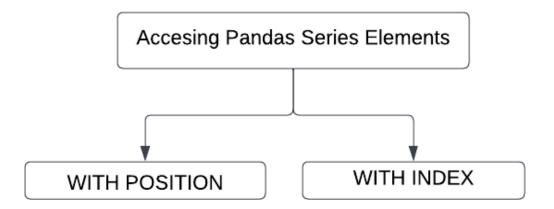
```
# Sample data
x = [1, 2, 3, 4, 5]
y = [2, 3, 5, 7, 11]

# 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-

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 10
- 1 20
- 2 30
- 3 40

CREATION OF DATASET-

Data set example

Email address	STUDENT NAME	ROLL NUMBER	FATHER NAME
vennachandana1@gmail.com	Venna Chandana	21KP1A44C5	Venna Ramanareddy
adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468	N.Manikya Rao
sravankumar7156@gmail.com	Sravan Kumar	21KP1A4488	Rama Chandra Rao
4404@	Yeruva sandeep	04170444404	Variable III
sandeepyeruva1124@gmail.com	reddy	21KP1A44D1	Yeruva Ajay Kumar reddy
sivajibejjanki@gmail.com	B.sivaji	22kp5a4402	B.lakshmaiah
ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A44C8	Y.Anjaiah
charithareddy3914@gmail.com	P.charitha reddy POLEPALLI.	21KP1A4475	P.Madhava Reddy POLEPALLI. GURUBRAHMA
gayathripolepalli70@gmail.com	GAYATHRI Syed Tasleem	21KP1A4481	CHARI
syedtasleem07@gmail.com	Afroze	21KP1A44A9	Syed Rahiman
sowjanyathota11@gmail.com	T.SOWJANYA	21KP1A44B6	T.SAMBA SIVA RAO
tammasahithi1@gmail.com	Tamma Sahithi PODILI	21KP1A44B0	Tamma krishna reddy
podilisarayu6@gmail.com	LAKSHMISARAYU	21KP1A4480	PODILI RAMESH
shaikkarishma811@gmail.com	shaik karishma Venkata Aravind	21KP1A4496	SHAIK BAJI
kumarvalaparla890@gmail.com	Kumar.V	21KP1A44C0	Veeraswamy.v
patchachinnu3@gmail.com	Patcha Jaswanth Pachipulusu	21KP1A4477	Patcha apparao
manu952041@gmail.com	Manohar	21KP1A4472	Pachipulusu Prasad
vanukuri.raghava@gmail.com	Raghava	21KP1A44C3	Srinivasa reddy
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	sravankumar7156@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

```
2023-06-13 14:27:41.072
                                        syedtasleem07@gmail.com
  2023-06-13 14:28:10.012
                                      sowjanyathotall@gmail.com
10 2023-06-13 14:28:10.559
                                        tammasahithi1@gmail.com
11 2023-06-13 14:28:34.026
                                        podilisarayu6@gmail.com
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
16 2023-06-13 14:30:07.913
                                     vanukuri.raghava@gmail.com
17 2023-06-13 14:30:57.744
                                        shaiksakina05@gmail.com
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 thammisettysrikanthraj9@gmail.com25
2023-06-13 14:34:24.599
                                       shiakmobin2002@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
2023-06-13 14:39:17.885
                                        bhanuthanirru@gmail.com
36 2023-06-13 14:40:40.869
                                     nikitharayapati9@gmail.com
37 2023-06-13 14:44:05.463
                                        indhupotla123@gmail.com
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
                      STUDENT NAME
                                     ROLL NUMBER
                                                                    FATHER NAME
0
                   Venna Chandana
                                      21KP1A44C5
                                                             Venna Ramanareddy
1
                       N. Venkatesh
                                      21KP1A4468
                                                                  N.Manikya Rao
2
                      Sravan Kumar
                                      21KP1A4488
                                                               Rama Chandra Rao
3
              Yeruva sandeep reddy
                                      21KP1A44D1
                                                        Yeruva Ajay Kumar reddy
4
                           B.sivaji
                                      22kp5a4402
                                                                   B.lakshmaiah
5
                                      21KP1A44C8
                            Y.Ramya
                                                                      Y.Anjaiah
6
                  P.charitha reddy
                                      21KP1A4475
                                                                P.Madhava Reddy
7
              POLEPALLI. GAYATHRI
                                      21KP1A4481
                                                  POLEPALLI. GURUBRAHMA CHARI
8
               Syed Tasleem Afroze
                                      21KP1A44A9
                                                                   Syed Rahiman
9
                         T.SOWJANYA
                                      21KP1A44B6
                                                               T.SAMBA SIVA RAO
10
                     Tamma Sahithi
                                      21KP1A44B0
                                                            Tamma krishna reddy
```

1∕7

PODILI RAMESH PODILI RAMES			044-4400	
13	11	PODILI LAKSHMISARAYU	21KP1A4480	PODILI RAMESH
Patcha Jaswanth				
15				-
16				
18				-
18		3		-
19 Vallu Srinu Siva Subrahmanyam 21KF1A4461 Vallu Srinivasa Rao Undela Chandra Obula Reddy 21KF1A4467 SYED. PARUKH 21KF1A4447 SHAIK Karremman 21KF1A4448 SHAIK Karremman 21KF1A4449 Shaik karimullah Shaik Rahamunisa SYED. PARUKH SHAIK Karremman SHA			_	
Undela Chandra Obula Reddy			21KP1A4492	
SYED.FARUKH 21KP1A44A7		-	21KP1A44C1	Vallu Srinivasa Rao
21	20	Undela Chandra Obula Reddy	21KP1A44B9	Undela Chinna Obula Reddy
SURE. MADHULATHA		SYED.FARUKH	21KP1A44A7	SYED.BAJI
T.Yasu	22	Anusha yalabolu	21KP1A44C7	Chinna anjayya
Shaik Abdul Khadar 21KP1A4493	23	SURE. MADHULATHA	21KP1A44A4	SURE.VISWANADHAM
Shaik.Abdul Khadar	24	T.Srikanth	21KP1A44B5	T.vasu
Ravu.akshaya	25	Shaikmobin	21KP1A4497	shaik karimullah
28	26	Shaik.Abdul Khadar	21KP1A4493	Shaik.Kareem
28	27	Ravu.akshaya	21KP1A4485	Ravu.srinivasrao
Y Rama mohanarao	28	_	21KP1A4491	musalareddy
Shaik Rahamtunnisa				
31				
Indu Priya Patcha 21KP1A4476 Appa rao Patcha Bhavya sri 21KP1A4490 Appa rao Patcha 21KP1A4491 Appa rao Patcha 21KP1A4491 Appa rao Patcha 21KP1A4491 Appa rao Patcha 21KP1A4491 Appa rao Patcha 21KP1A4464 Vejendla Srinivass Rao 21KP1A4487 Appa rao Patcha 21KP1A4486 Appa rao Patcha 21KP1A4486 Appa rao Patcha 21KP1A4486 Appa rao Patcha 21KP1A4495 Appa rao Patcha Appa rao Patcha 21KP1A4480 Appa rao Patcha App				_
Bhavya sri 21KP1A4490		Indu Priva Patcha		_
Vejendla Devi Sri Sudhamsha 21KP1A44C4 Vejendla Srinivass Rao 21KP1A44B2 T sathyanarayana 21KP1A44B3 T sathyanarayana 21KP1A44B3 T sathyanarayana 21KP1A44B4 T sathyanarayana 21KP1A44B8 T sathyanarayana 21KP1A44B9 Sathyanaray		_		
Thanirru Bhanu venkata prasad 21KP1A44B2 T sathyanarayana 36				
Nikhitha Rayapati				
37		_		
38				
39				-
## SHAIK RABBANI		_		
### Reshma yalamanchi				
### T. Nagajyothi				
P. Durga Sri 21KP1A4473 P. Amareswara rao 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 21kP1A4469 Venkata subbiah 48 Nallabothu. Sri Harsha 21KP1A4469 Nallabothu. Anjaneyulu 49 Puli bhuvaneswar 21KP1A4469 Nallabothu. Anjaneyulu 49 Puli phuvaneswar 21KP1A4464 Puli mallikarjuna 50 PANDA UMA ARUNDATHI 21KP1A4474 PANDA NARAYANA RAO 51 Chinni vignesh teja yadav 21KP1A44C6 Chinni Pratap Kumar MOTHER NAME COURSE CGPA AGE \ 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				
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 21kP1A4469 Nallabothu. Anjaneyulu 48 Nallabothu. Sri Harsha 21KP1A4469 Nallabothu. Anjaneyulu 49 Puli bhuvaneswar 21KP1A4474 Panda Narayana Rao 50 PANDA UMA ARUNDATHI 21KP1A4474 PANDA NARAYANA RAO 51 chinni vignesh teja yadav 21KP1A4476 Chinni Pratap Kumar MOTHER NAME COURSE CGPA AGE \ Chinni Pratap Kumar 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.				
R.M.V.K.Brahma Naidu				
Narra Raja Samba Siva Rao 21KP1A4471				
Nallabothu. Sri Harsha 21kpla44b4 Venkata subbiah Nallabothu. Sri Harsha 21kPlA4469 Nallabothu. Anjaneyulu Puli bhuvaneswar 21kPlA4484 Puli mallikarjuna PANDA UMA ARUNDATHI 21kPlA4474 PANDA NARAYANA RAO chinni vignesh teja yadav 21kPlA4466 Chinni Pratap Kumar MOTHER NAME COURSE CGPA AGE \ Nouna Lakshmidevi DS 8 19 Nouna Lakshmidevi DS 9 19 Nouna Lakshmidevi DS 70 19 Nouna Lakshmidevi DS 70 19 Nouna Lakshmidevi DS 70 19 Nouna CSE 9.5 20 Nouna CSE				
Nallabothu. Sri Harsha 21KP1A4469 Nallabothu. Anjaneyulu Puli bhuvaneswar 21KP1A4484 Puli mallikarjuna PANDA UMA ARUNDATHI 21KP1A4474 PANDA NARAYANA RAO Chinni vignesh teja yadav 21KP1A44C6 Chinni Pratap Kumar MOTHER NAME COURSE CGPA AGE \ N.Sri Lakshmidevi DS 8 19 N.Sri Lakshmi CSE 83 19 Venkateswaramma MECH 7 20 Venkateswaramma MECH 7 20 Neruva Anjali Devi CSE 9.5 20 Lakshmi Rajyam DS 80 19 N.Kavitha DS 70 19 POLEPALLI.SRIDEVI DS 10 19 Syed Naseema MECH 8 19 T.ARUNA KUMARI DS 7.7 19 TOMES SHAIK KHADRUN DS 9 19 SHAIK KHADRUN DS 9 19 SHAIK KHADRUN DS 0.98 20				
Puli bhuvaneswar 21KP1A4484 Puli mallikarjuna PANDA UMA ARUNDATHI 21KP1A4474 PANDA NARAYANA RAO chinni vignesh teja yadav 21KP1A44C6 Chinni Pratap Kumar MOTHER NAME COURSE CGPA AGE \ Venna Lakshmidevi DS 8 19 N.Sri Lakshmi CSE 83 19 Venkateswaramma MECH 7 20 Yeruva Anjali Devi CSE 9.5 20 B.veramma DS 0.72 23 Y Lakshmi Rajyam DS 80 19 P.Kavitha DS 70 19 POLEPALLI.SRIDEVI DS 10 19 Syed Naseema MECH 8 19 TARUNA KUMARI DS 8 19 TARUNA KUMARI DS 7.7 19 PODILI ADILAKSHMI DS 7.5 19 SHAIK KHADRUN DS 9 19 Lakshmi.v DS 0.98 20			-	
PANDA UMA ARUNDATHI 21KP1A4474 PANDA NARAYANA RAO chinni vignesh teja yadav 21KP1A44C6 Chinni Pratap Kumar MOTHER NAME COURSE CGPA AGE \ Venna Lakshmidevi DS 8 19 N.Sri Lakshmi CSE 83 19 Venkateswaramma MECH 7 20 Yeruva Anjali Devi CSE 9.5 20 Reveramma DS 0.72 23 Y Lakshmi Rajyam DS 80 19 Reveramma DS 70 19 POLEPALLI.SRIDEVI DS 10 19 Syed Naseema MECH 8 19 T.ARUNA KUMARI DS 8 19 T.ARUNA KUMARI DS 7.7 19 PODILI ADILAKSHMI DS 7.5 19 SHAIK KHADRUN DS 9 19 SHAIK KHADRUN DS 9 19 Lakshmi.v DS 0.98 20				
MOTHER NAME COURSE CGPA AGE				_
MOTHER NAME COURSE CGPA AGE \ 0				
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	51	cninni vignesh teja yadav	21KP1A44C6	Chinni Pratap Kumar
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		MODUED NAME COURSE COR	7 CE \	
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	\cap			
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				
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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				
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		-		
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				
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				
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				
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                 Shaik Raziya
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                     Mahabobba
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           Undela GuruLakshmi
                                    DS
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                     Usha rani
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                       Sujatha
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           Nallabothu. Anitha
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2
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3
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4
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14
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16
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17
                Shaiksakina05@gmail.com
18
                     us465249@gmail.com
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19

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           vallu.srinu756939@gmail.com
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23
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50
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             chinnivignesh144@gmail.com
                                             BRANCH CURRENT SEMISTER
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47	746109575146
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50	652650486629
51	639534870436
-	1030010.0100

PREPROCESSING THE DATA

15

16

True

```
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]
                       52 non-null
 1
     Email address
                                       object
 2
     STUDENT NAME
                       52 non-null
                                       object
 3
    ROLL NUMBER
                       52 non-null
                                      object
 4
     FATHER NAME
                       52 non-null
                                        object
 5
                       52 non-null
    MOTHER NAME
                                        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 \
0
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                        True
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3

4

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1	2023 -06- 13 14:2 5:15. 609	adilakshmi4765 @gmail.com	N.Venka tesh	21KP 1A44 68	N.Maniky a Rao	N.Sri Lakshmi	CS E	83	1 9	adilakshmi4765 @gmail.com	CSE- DS	II-II	60251 52582 56
2	2023 -06- 13 14:2 5:50. 957	sravankumar715 6@gmail.com	Sravan Kumar	21KP 1A44 88	Rama Chandra Rao	Venkates waramma	ME CH	7	2 0	sravankumar715 6@gmail.com	mech	4	93031 90530 88
3	2023 -06- 13 14:2 6:01. 824	sandeepyeruva11 24@gmail.com	Yeruva sandeep reddy	21KP 1A44 D1	Yeruva Ajay Kumar reddy	Yeruva Anjali Devi	CS E	9. 5	2 0	sandeepyeruva11 24@gmail.com	CSE	2-3	57615 49901 46
4	2023 -06- 13 14:2 6:13. 848	sivajibejjanki@g mail.com	B.sivaji	22kp 5a44 02	B.lakshma iah	B.veram ma	DS	0. 72	2 3	sivajibejjanki@g mail.com	Comp uter scienc e	2-2	89544 46624 10
5	2023 -06- 13 14:2 6:23. 424	ramyayalabolu12 3r@gmail.com	Y.Ramy a	21KP 1A44 C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80	1 9	ramyayalabolu12 3r@gmail.com	CSD	2-2	72457 45884 25
6	2023 -06- 13 14:2 7:05. 330	charithareddy391 4@gmail.com	P.charith a reddy	21KP 1A44 75	P.Madhav a Reddy	P.Kavitha	DS	70	1 9	charithareddy391 4@gmail.com	CSD	2.2	81017 75245 02
7	2023 -06- 13 14:2 7:16. 973	gayathripolepalli 70@gmail.com	POLEP ALLI. GAYAT HRI	21KP 1A44 81	POLEPAL LI. GURUBR AHMA CHARI	POLEPA LLI.SRI DEVI	DS	10	1 9	gayathripolepalli 70@gmail.com	Data Scienc e	2-2	72181 91680 61

	Time stam p	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
8	2023 -06- 13 14:2 7:41. 072	syedtasleem07@ gmail.com	Syed Tasleem Afroze	21KP 1A44 A9	Syed Rahiman	Syed Naseema	ME CH	8	1 9	syedtasleem07@ gmail.com	DS	2-2	61702 03547 93
9	2023 -06- 13 14:2 8:10. 012	sowjanyathota11 @gmail.com	T.SOWJ ANYA	21KP 1A44 B6	T.SAMBA SIVA RAO	T.ARUN A KUMAR I	DS	8	1 9	sowjanyathota11 @gmail.com	DATA SCIEN CE	2-2	33866 69489 01
1 0	2023 -06- 13 14:2 8:10. 559	tammasahithi1@ gmail.com	Tamma Sahithi	21KP 1A44 B0	Tamma krishna reddy	Tamma Padmavat hi	DS	7. 7	1 9	tammasahithi1@ gmail.com	CSE (Data scienc e)	2-2	68534 98321 28
1 1	2023 -06- 13 14:2 8:34. 026	podilisarayu6@g mail.com	PODILI LAKSH MISAR AYU	21KP 1A44 80	PODILI RAMESH	PODILI ADILAK SHMI	DS	7. 5	1 9	Podilisarayu6@g mail.com	DATA SCIEN CE	2-2	45868 97410 91
1 2	2023 -06- 13 14:2 8:43. 092	shaikkarishma81 1@gmail.com	shaik karishma	21KP 1A44 96	SHAIK BAJI	SHAIK KHADR UN	DS	9	1 9	shaikkarishma81 1@gmail.com	ds	2-2	66304 85215 99
1 3	2023 -06- 13 14:2 8:57. 412	kumarvalaparla8 90@gmail.com	Venkata Aravind Kumar. V	21KP 1A44 C0	Veeraswa my.v	Lakshmi. v	DS	0. 98	2 0	Kumarvalaparla8 90@gmail.com	Data Scienc e	2-2	51030 53458 24
1 4	2023 -06- 13 14:3 0:05. 091	patchachinnu3@ gmail.com	Patcha Jaswanth	21KP 1A44 77	Patcha apparao	Patcha sukanya	CS E	0. 99	2 0	Patchachinnu@g mail.com	Data scienc e	2-2	74402 04139 63
1 5	2023 -06- 13 14:3 0:05. 577	manu952041@g mail.com	Pachipul usu Manohar	21KP 1A44 72	Pachipulus u Prasad	Pachipulu su Bhavani	ME CH	8. 5	1 9	manu952041@g mail.com	NaN	2-2	55936 61144 23

	Time stam p	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
1 6	2023 -06- 13 14:3 0:07. 913	vanukuri.raghava @gmail.com	Raghava	21KP 1A44 C3	Srinivasa reddy	Jyothi	DS	7	1 9	vanukuri.raghava @gmail.com	Data scienc e	2-2	42497 30813 48
1 7	2023 -06- 13 14:3 0:57. 744	shaiksakina05@g mail.com	Shaik sameer	21KP 1A44 A3	Shaik Rahim babu	Shaik Raziya	DS	80	2 0	Shaiksakina05@ gmail.com	DS	2-2	52926 14643 45
1 8	2023 -06- 13 14:3 3:16. 842	us465249@gmail .com	S sk usman	21KP 1A44 92	S sk mastan vali	Mahabob ba	DS	50	1 9	us465249@gmail .com	DS	2-2	56875 38757 09
1 9	2023 -06- 13 14:3 6:46. 844	vallu.srinu75693 9@gmail.com	Vallu Srinu Siva Subrahm anyam	21KP 1A44 C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73	2 0	vallu.srinu75693 9@gmail.com	Comp uter Scienc e Engine ering& Data Scienc e	4	***** ***** **
2 0	2023 -06- 13 14:3 4:05. 142	undelachandraob ulareddy@gmail. com	Undela Chandra Obula Reddy	21KP 1A44 B9	Undela Chinna Obula Reddy	Undela GuruLaks hmi	DS	9. 2	2 0	undelachandraob ulareddy@gmail. com	Comp uter Scienc e	2-2	69362 17808 42
2 1	2023 -06- 13 14:3 2:17. 269	farukh.786syed@ gmail.com	SYED.F ARUKH	21KP 1A44 A7	SYED.BA JI	SYED.S ARTHAJ BEGUM	DS	0. 7	1 9	farukh.786syed@ gmail.com	DS	2-2	76432 07306 78
2 2	2023 -06- 13 14:3 3:08. 038	anushayalabolu1 2@gmail.com	Anusha yalabolu	21KP 1A44 C7	Chinna anjayya	Lakshmi narayana ma	DS	75	1 9	anushayalabolu1 2@gmail.com	CSD	2-2	83078 50660 37
2 3	2023 -06- 13 14:3 3:16. 147	madhulathasure9 @gmail.com	SURE. MADH ULATH A	21KP 1A44 A4	SURE.VIS WANAD HAM	SURE.S AI LAKSH MI	DS	10	2 0	madhulathasure9 @gmail.com	Data scienc e	2-2	77648 60626 08

	Time stam p	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
2 4	2023 -06- 13 14:3 4:00. 504	thammisettysrika nthraj9@gmail.c om	T.Srikan th	21KP 1A44 B5	T.vasu	T.jaya	DS	0. 75	1 9	thammisettysrika nthraj9@gmail.c om	Data Scienc e	2-2	67311 22051 83
2 5	2023 -06- 13 14:3 4:24. 599	shiakmobin2002 @gmail.com	Shaikmo bin	21KP 1A44 97	shaik karimullah	Shaik rihana	DS	8. 8	2	mobinsk9966@g mali.com	Ds	2.2	90435 56564 68
2 6	2023 -06- 13 14:3 4:24. 985	abdulkhadar6842 @gmail.com	Shaik.A bdul Khadar	21KP 1A44 93	Shaik.Kare em	Shaik.Far jana	EC E	8	2 0	abdulkhadar6842 @gmail.com	NaN	2-2	33470 82891 54
2 7	2023 -06- 13 14:3 4:31. 602	ravuakshaya@g mail.com	Ravu.ak shaya	21KP 1A44 85	Ravu.srini vasrao	Ravu.aru na kumari	DS	80	1 9	ravuakshaya@g mail.com	Ds	2.2	54430 57831 28
2 8	2023 -06- 13 14:3 4:41. 989	hemasanjushasan ikommu828@gm ail.com	hema sanjusha	21KP 1A44 91	musalared dy	sivaparva thi	CS E	73	1 8 h	hemasanjushasan ikommu828@gm ail.com	cse	2-2	42231 48637 63
2 9	2023 -06- 13 14:3 4:52. 277	ynagasasikumar @gmail.com	Y Naga Sasi Kumar	21KP 1A44 D0	Y Rama mohanarao	Y Lalitha	DS	9. 2	2 0	ynagasasikumar @gmail.com	NaN	2-2	44817 24962 92
3 0	2023 -06- 13 14:3 5:26. 194	rahamtunnisashai k09@gmail.com	Shaik Rahamtu nnisa	21KP 1A44 A0	Shaik.mah aboobjani	Shaik.mu nni	DS	8	1 8	rahamtunnisashai k09@gmail.com	Data scienc e	2-2	40697 61693 51
3 1	2023 -06- 13 14:3 7:08. 022	harikabangaram3 13@gmail.com	Harika	22KP 5A44 01	A.Subram anyam	A.Dhana Bhagyam	DS	75	1 9	harikaavala5@g mail.com	Data scienc e	2-2	57493 05685 20

	Time stam p	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 14:3 7:44. 545	indupriya72216 @gmail.com	Indu Priya Patcha	21KP 1A44 76	Appa rao Patcha	Renuka Patcha	DS	0. 75	1 8	indupriya72216 @gmail.com	Data Scienc e	2-2	57304 18809 49
3 3	2023 -06- 13 14:3 7:53. 042	bhavyasrisajja20 03@gmail.com	Bhavya sri	21KP 1A44 90	Mohan krishna	Usha rani	DS	70	1 9	bhavyasrisajja20 03@gmail.com	Ds	2-2	27473 68900 47
3 4	2023 -06- 13 14:3 8:20. 561	sudhamshavejend la@gmail.com	Vejendla Devi Sri Sudham sha	21KP 1A44 C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CS E	70	1 9	sudhamshavejend la@gmail.com	Cse- Data Scienc e	2_2	58748 04457 90
3 5	2023 -06- 13 14:3 9:17. 885	bhanuthanirru@g mail.com	Thanirru Bhanu venkata prasad	21KP 1A44 B2	T sathyanara yana	T rama devi	DS	9. 6	1 9	bhanuthanirru@g mail.com	NaN	2-2	35722 82028 35
3 6	2023 -06- 13 14:4 0:40. 869	nikitharayapati9 @gmail.com	Nikhitha Rayapati	21KP 1A44 87	Rayapati hanumathr ao	Rayapati malleswa ri	DS	80	1 9	nikitharayapati9 @gmail.com	Ds	2-2	96336 08282 94
3 7	2023 -06- 13 14:4 4:05. 463	indhupotla123@ gmail.com	indhu priya	21KP 1A44 83	Lakshman arayana	Sujatha	CS E	72	1 9	indhupotla123@ gmail.com	cse	2-2	52434 58916 20
3 8	2023 -06- 13 14:4 4:45. 168	abdulabdul22070 @gmail.com	Syed.Ab dul Rehama n	21KP 1A44 A6	Syed.Meer a Sharif	Bandi.Kri shna veni	DS	90	2 0	abdulabdul22070 @gmail.com	DS	2-2	34785 35099 74
3 9	2023 -06- 13 14:4 5:56. 606	jaffershaik718@ gmail.com	Jaffer shaik	21KP 1A44 95	shaik.LaiL aha	shaik.Ra mjan bee	CS E	7 O	1 9	jaffershaik718@ gmail.com	cse	2nd	91222 92766 99

	Time stam p	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 14:5 0:28. 282	rabbanishaik7356 @gmail.com	SHAIK RABBA NI	21KP 1A44 99	SHAIK MOHAM MAD HANIF	SHAIK MALIN	DS	9. 5	2	rabbanishaik7356 @gmail.com	CSD	2-2	20593 39562 04
4 1	2023 -06- 13 15:0 1:15. 615	reshmayalamanc hi@gmail.com	Reshma yalaman chi	21KP 1A44 C9	Yalamanc hi subba Rao	Yalaman chi sunitha	DS	75	1 9	reshmayalamanc hi@gmail.com	DS	4	74236 63163 53
4 2	2023 -06- 13 15:0 4:23. 806	thiriveedhinagajy othi@gmail.com	T. Nagajyot hi	21KP 1A44 B7	T. Venkayya	T. Ramanja mma	DS	75	1 9	thiriveedhinagajy othi@gmail.com	DS	4	33047 71455 25
4 3	2023 -06- 13 15:1 6:34. 142	paladugudurga l @gmail.com	P. Durga Sri	21KP 1A44 73	P. Amareswa ra rao	P. Seshu Kumari	DS	80	2 0	paladugudurga1 @gmail.com	CSD(Data Scienc e)	2-2	69216 26616 08
4 4	2023 -06- 13 17:3 7:00. 290	saidashaik371@g mail.com	SHAIK SAIDA ANWA R BASHA	21KP 1A44 A2	SHAIK KUDHAN VALI	SHAIK SAIDA HUSSAN BI	DS	80	2 0	Saidashaik371@ gmail.com	DATA SCIEN CE	2-2	46672 26502 74
4 5	2023 -06- 13 20:3 9:54. 489	mvkbn1312@gm ail.com	R.M.V. K.Brah ma Naidu	21KP 1A44 89	Yedukond alu	Nirmala	DS	7	2 0	mvkbn1312@gm ail.com	Data scienc e	2-2	2387 7088 9424
4 6	2023 -06- 13 20:4 9:03. 330	nrajasambasivara o@gmail.com	Narra Raja Samba Siva Rao	21KP 1A44 71	Narra SrinivasaR ao	Narra Ramadev i	DS	7. 5	1 9	nrajasambasivara o@gmail.com	CSD (Data scienc e)	4	83545 79028 26
4 7	2023 -06- 14 09:2 2:24. 620	saisairam068@g mail.com	Sairam	21kp 1a44 b4	Venkata subbiah	Ravanam ma	CS E	10	1 9	saisairam068@g mail.com	Da	2-2	74610 95751 46

	Time stam p	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 8	2023 -06- 14 09:3 4:41. 202	sriharshanallabot hu@gmail.com	Nallabot hu. Sri Harsha	21KP 1A44 69	Nallabothu Anjaneyul u	Nallaboth u. Anitha	DS	90	2	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.	2	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 0 STUDENT NAME ROLL NUMBER 0 FATHER NAME 0 MOTHER NAME 0 0 COURSE CGPA 0 0 AGE BRANCH 4 0 CURRENT SEMISTER AADHAAR NO 0 dtype: int64

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

```
<class 'pandas.core.frame.DataFrame'>
                      columns,
Non-Null Col

52 non-null object
7 non-null object
n-null object
object
object
object
object
RangeIndex: 52 entries, 0 to 51
Data columns (total 11 columns):
 #
     Column
     Email address
 0
 1
   STUDENT NAME
 2
   ROLL NUMBER
 3
    FATHER NAME
   MOTHER NAME
 4
 5 COURSE
 6 CGPA
 7
    AGE
                       52 non-null
                                          object
 8
   BRANCH
                        52 non-null
                                          object
 9
   CURRENT SEMISTER 52 non-null
                                          object
                       52 non-null object
 10 AADHAAR NO
dtypes: object(11)
memory usage: 4.6+ KB
```

Data.shape

(52, 11)

None

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)
```

```
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
     0.99
14
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
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

STUDENT NAME	ROLL NUMBER	FATH ER NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UID AI NO	
vennachandana1@gm ail.com	Venna Chandana	21KP1 A44C5	Venna Ramanared dy	Venna Lakshmide vi	DS	8. 00	19	Data science	2-2	636336 922883
adilakshmi4765@gmai I.com	N.Venkat esh	21KP1 A4468	N.Manikya Rao	N.Sri Lakshmi	CS E	83 .0 0	19	CSE-DS	II-II	602515 258256
sravankumar7156@g mail.com	Sravan Kumar	21KP1 A4488	Rama Chandra Rao	Venkatesw aramma	ME CH	7. 00	20	mech	4	930319 053088
sandeepyeruva1124@ gmail.com	Yeruva sandeep reddy	21KP1 A44D1	Yeruva Ajay Kumar reddy	Yeruva Anjali Devi	CS E	9. 50	20	CSE	2-3	576154 990146
sivajibejjanki@gmail.c om	B.sivaji	22kp5a 4402	B.lakshmaia h	B.veramma	DS	0. 72	23	Comput er science	2-2	895444 662410
ramyayalabolu123r@g mail.com	Y.Ramya	21KP1 A44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80 .0 0	19	CSD	2-2	724574 588425
charithareddy3914@g mail.com	P.charitha reddy	21KP1 A4475	P.Madhava Reddy	P.Kavitha	DS	70 .0 0	19	CSD	2.2	810177 524502
	vennachandana1@gm ail.com adilakshmi4765@gmai l.com sravankumar7156@g mail.com sandeepyeruva1124@ gmail.com sivajibejjanki@gmail.c om ramyayalabolu123r@g mail.com charithareddy3914@g	vennachandana1@gm ail.com Venna Chandana adilakshmi4765@gmai l.com N.Venkat esh sravankumar7156@g Sravan Kumar sandeepyeruva1124@ Gmail.com Yeruva sandeep reddy sivajibejjanki@gmail.c om B.sivaji ramyayalabolu123r@g mail.com Y.Ramya charithareddy3914@g P.charitha	vennachandana1@gm ail.com Venna Chandana PA44C5 adilakshmi4765@gmai l.com Sravan A4468 sravankumar7156@g Sravan Kumar Panail.com Sivajibejjanki@gmail.com P.charitha P.charith	STUDENT NAMEROLL NUMBERER NAMEMOTHER NAMEvennachandana1@gm ail.comVenna Chandana21KP1 A44C5Ramanared Ramanared dyadilakshmi4765@gmai I.comN.Venkat esh21KP1 A4468N.Manikya Raosravankumar7156@g mail.comSravan Kumar21KP1 A4488Rama Chandra Raosandeepyeruva1124@ gmail.comYeruva sandeep reddy21KP1 A44D1Yeruva Ajay Kumar reddysivajibeijanki@gmail.c omB.sivaji22kp5a 4402B.lakshmaia hramyayalabolu123r@g mail.comY.Ramya21KP1 A44C8Y.Anjaiahcharithareddy3914@gP.charitha21KP1P.Madhava	STUDENT NAMEROLL NUMBERER NAMEMOTHER NAMECOURSEvennachandana1@gm ail.comVenna Chandana21KP1 A44C5Ramanared Ramanared dyVenna Lakshmide viadilakshmi4765@gmai I.comN.Venkat esh21KP1 A4468N.Manikya RaoN.Sri Lakshmisravankumar7156@g mail.comSravan Kumar21KP1 A4488Rama Chandra RaoVenkatesw arammasandeepyeruva1124@ gmail.comYeruva sandeep reddy21KP1 A44D1Yeruva Ajay Kumar reddyYeruva Anjali Devisivajibejjanki@gmail.c omB.sivaji22kp5a 4402B.lakshmaia hB.verammaramyayalabolu123r@g mail.comY.Ramya21KP1 A44C8Y.AnjaiahY Lakshmi Rajyamcharithareddy3914@gP.charitha21KP1P.MadhavaP.Kavitha	STUDENT NAMEROLL NUMBERER NAMEMOTHER NAMECOURSECG PAvennachandana1@gm ail.comVenna Chandana21KP1 A44C5Ramanared Ramanared dyVenna Lakshmide viDSadilakshmi4765@gmai I.comN.Venkat esh21KP1 A4468N.Manikya RaoN.Sri LakshmiCS Esravankumar7156@g mail.comSravan Kumar21KP1 A4488Rama Chandra 	STUDENT NAMEROLL NUMBERER NAMEMOTHER NAMECOURSECG PAG Evennachandana1@gm ail.comVenna Chandana21KP1 A44C5Ramanared Ramanared dyVenna Lakshmide RaoDS8. 00adilakshmi4765@gmai I.comN.Venkat esh21KP1 A4468N.Manikya RaoN.Sri LakshmiCS 83 0 Lakshmi83 0 0sravankumar7156@g mail.comSravan Kumar21KP1 A4488Rama Chandra RaoVenkatesw arammaME CH 007.sandeepyeruva1124@ gmail.comYeruva sandeep reddy21KP1 A44D1Yeruva Ajay Kumar reddyYeruva Anjali DeviCS E9. 72sivajibejjanki@gmail.c omB.sivaji22kp5a 4402B.lakshmaia h A44C8B.verammaDS0. 72ramyayalabolu123r@g mail.comY.Ramya21KP1 A44C8Y.AnjaiahY Lakshmi RajyamDS0. 0charithareddy3914@g mail.comP.charitha reddy21KP1 A4475P.Madhava ReddyP.KavithaDS70	STUDENT NAME ROLL NUMBER ER NAME MOTHER NAME COURSE CG PA G PA G PA BRA NCH vennachandana1@gm ail.com Venna chandana 21KP1 Ramanared dy Venna Lakshmide dy DS 8.0 0 19 adilakshmi4765@gmai l.com N.Venkat esh 21KP1 A4468 N.Manikya Rao N.Sri Lakshmi CS 83 0 0 19 sravankumar7156@g mail.com Sravan Kumar 21KP1 A4488 Rama Chandra Rao Venkatesw aramma ME 7. CH 00 20 sandeepyeruva1124@ gmail.com Yeruva A44D1 Yeruva Ajay Kumar reddy Yeruva Anjali Devi CS 9. 20 20 sivajibejjanki@gmail.com B.sivaji 22kp5a 4402 B.lakshmaia h Rajyam B.veramma DS 0. 72 23 ramyayalabolu123r@g mail.com Y.Ramya 21KP1 A44C8 Y.Anjaiah Y Lakshmi Rajyam DS 0. 0 19 charithareddy3914@g mail.com P.charitha P.da4475 P.Madhava Reddy P.Kavitha DS 0. 0 19	STUDENT NAME NUMBER NAME ER NAME MOIHER NAME COURSE PA CG PA G PA SEMST PA SEMST PA vennachandana1@gm ail.com ail.com Venna Chandana 21KP1 A44C5 Ramanared A44C5 Venna Lakshmide dy vi DS 8.0 00 19 Data Science adillakshmi4765@gmai l.com mail.com N.Venkat esh A4468 N.Manikya Rao N.Sri Lakshmide Lakshmide E 00 0 19 CSE-DS sravankumar7156@g mail.com mail.com Sravan Kumar Partura A4488 Chandra Rao Venkatesw aramma Partura Rao ME 7.0 00 20 mech Partura Partura Rao sandeepyeruva1124@gmail.com gmail.com mail.com Yeruva A44D1 Yeruva Ajay Yeruva Ajay Rady Kumar reddy Anjali Devi E 50 20 CSE sivajibejjanki@gmail.com mail.com B.sivaji 22kp5a 4402 B.lakshmaia Rao B.veramma Partura Rao DS 0.0 20 Comput er science charithareddy3914@g mail.com mail.com Y.Ramya P.Kanjaiah Raddy P.Kavitha P.Kavitha DS 0.0 19 CSD	STUDENT NAME ROLL NUMBER ER NAME MOTHER NAME COURSE PA CG GE BRA NCH NCH SEMIST AND vennachandana1@gm ail.com ail.com Venna Chandana 21KP1 A44C5 Ramanared dy Venna Lakshmide dy DS 8. 19 Data science 2-2 adilakshmi4765@gmai L.com N.Venkat esh A4468 21KP1 N.Manikya Rao N.Sri Lakshmi CS 83 Lekshmide CS 19 CSE-DS II-II sravankumar7156@g mail.com Sravan Kumar A4488 Chandra Rao Venkatesw aramma ME 7. O0 20 mech 4 4 sandeepyeruva1124@ gmail.com Yeruva A44D1 Yeruva Ajay Yeruva Ajay Kumar reddy Yeruva Ajay Anjali Devi CS 9. 20 CSE 2-3 sivajibejjanki@gmail.com B.sivaji 22kp5a 4402 B.lakshmaia h Rajyam B.veramma DS 0. 0. 19 CSD 2-2 ramyayalabolu123r@g mail.com Y.Ramya 21KP1 A44C8 Y.Anjaiah Rajyam Y.Lakshmi Rajyam DS 0. 0. 19 CSD 2-2

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7	gayathripolepalli70@g mail.com	POLEPAL LI. GAYATH RI	21KP1 A4481	POLEPALLI. GURUBRAH MA CHARI	POLEPALL I.SRIDEVI	DS	10 .0 0	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@gm ail.com	T.SOWJA NYA	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 Padmavath i	DS	7. 70	19	CSE (Data science)	2-2	685349 832128
11	podilisarayu6@gmail.c om	PODILI LAKSHMI SARAYU	21KP1 A4480	PODILI RAMESH	PODILI ADILAKSH MI	DS	7. 50	19	DATA SCIENC E	2-2	458689 741091
12	shaikkarishma811@g mail.com	shaik karishma	21KP1 A4496	SHAIK BAJI	SHAIK KHADRUN	DS	9. 00	19	ds	2-2	663048 521599
13	kumarvalaparla890@g mail.com	Venkata Aravind Kumar.V	21KP1 A44C0	Veeraswam y.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.c om	Pachipulu su Manohar	21KP1 A4472	Pachipulusu Prasad	Pachipulus u Bhavani	ME CH	8. 50	19	Data Science	2-2	559366 114423
16	vanukuri.raghava@gm ail.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	08 .0 0	20	DS	2-2	529261 464345
18	us465249@gmail.com	S sk usman	21KP1 A4492	S sk mastan vali	Mahabobb a	DS	50 .0 0	19	DS	2-2	568753 875709
19	vallu.srinu756939@gm ail.com	Vallu Srinu Siva Subrahma nyam	21KP1 A44C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73 .0 0	20	Comput er Science Enginee ring& Data Science	4	******* ***
20	undelachandraobulare ddy@gmail.com	Undela Chandra Obula Reddy	21KP1 A44B9	Undela Chinna Obula Reddy	Undela GuruLaksh mi	DS	9. 20	20	Comput er Science	2-2	693621 780842

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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@g mail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanam a	DS	75 .0 0	19	CSD	2-2	830785 066037
23	madhulathasure9@gm ail.com	SURE. MADHUL ATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10 .0 0	20	Data science	2-2	776486 062608
24	thammisettysrikanthraj 9@gmail.com	T.Srikanth	21KP1 A44B5	T.vasu	T.jaya	DS	0. 75	19	Data Science	2-2	673112 205183
25	shiakmobin2002@gma il.com	Shaikmob in	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8. 80	21	Ds	2.2	904355 656468
26	abdulkhadar6842@gm ail.com	Shaik.Abd ul Khadar	21KP1 A4493	Shaik.Karee m	Shaik.Farja na	EC E	8. 00	20	Data Science	2-2	334708 289154
27	ravuakshaya@gmail.c om	Ravu.aks haya	21KP1 A4485	Ravu.sriniva srao	Ravu.aruna kumari	DS	80 .0 0	19	Ds	2.2	544305 783128
28	hemasanjushasanikom mu828@gmail.com	hema sanjusha	21KP1 A4491	musalareddy	sivaparvath i	CS E	73 .0 0	18h	cse	2-2	422314 863763
29	ynagasasikumar@gma il.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 Rahamtun nisa	21KP1 A44A0	Shaik.maha boobjani	Shaik.mun ni	DS	8. 00	18	Data science	2-2	406976 169351
31	harikabangaram313@ gmail.com	Harika	22KP5 A4401	A.Subraman yam	A.Dhana Bhagyam	DS	75 .0 0	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@g mail.com	Bhavya sri	21KP1 A4490	Mohan krishna	Usha rani	DS	70 .0 0	19	Ds	2-2	274736 890047
34	sudhamshavejendla@ gmail.com	Vejendla Devi Sri Sudhams ha	21KP1 A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CS E	70 .0 0	19	Cse- Data Science	2_2	587480 445790
35	bhanuthanirru@gmail. com	Thanirru Bhanu venkata prasad	21KP1 A44B2	T sathyanaray ana	T rama devi	DS	9. 60	19	Data Science	2-2	357228 202835

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	
36	nikitharayapati9@gmai I.com	Nikhitha Rayapati	21KP1 A4487	Rayapati hanumathra o	Rayapati malleswari	DS	80 .0 0	19	Ds	2-2	963360 828294
37	indhupotla123@gmail. com	indhu priya	21KP1 A4483	Lakshmanar ayana	Sujatha	CS E	72 .0 0	19	cse	2-2	524345 891620
38	abdulabdul22070@gm ail.com	Syed.Abd ul Rehaman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krish na veni	DS	90 .0 0	20	DS	2-2	347853 509974
39	jaffershaik718@gmail. com	Jaffer shaik	21KP1 A4495	shaik.LaiLah a	shaik.Ramj an bee	CS E	70 .0 0	19	cse	2nd	912229 276699
40	rabbanishaik7356@g mail.com	SHAIK RABBANI	21KP1 A4499	SHAIK MOHAMMA D HANIF	SHAIK MALIN	DS	9. 50	21	CSD	2-2	205933 956204
41	reshmayalamanchi@g mail.com	Reshma yalamanc hi	21KP1 A44C9	Yalamanchi subba Rao	Yalamanchi sunitha	DS	75 .0 0	19	DS	4	742366 316353
42	thiriveedhinagajyothi@ gmail.com	T. Nagajyoth i	21KP1 A44B7	T. Venkayya	T. Ramanjam ma	DS	75 .0 0	19	DS	4	330477 145525
43	paladugudurga1@gma il.com	P. Durga Sri	21KP1 A4473	P. Amareswara rao	P. Seshu Kumari	DS	80 .0 0	20	CSD(Da ta Science)	2-2	692162 661608
44	saidashaik371@gmail. com	SHAIK SAIDA ANWAR BASHA	21KP1 A44A2	SHAIK KUDHAN VALI	SHAIK SAIDA HUSSANBI	DS	80 .0 0	20	DATAS CIENCE	2-2	466722 650274
45	mvkbn1312@gmail.co m	R.M.V.K. Brahma Naidu	21KP1 A4489	Yedukondal u	Nirmala	DS	7. 00	20	Data science	2-2	2387 7088 9424
46	nrajasambasivarao@g mail.com	Narra Raja Samba Siva Rao	21KP1 A4471	Narra SrinivasaRa o	Narra Ramadevi	DS	7. 50	19	CSD (Data science)	4	835457 902826
47	saisairam068@gmail.c om	Sairam	21kp1a 44b4	Venkata subbiah	Ravanamm a	CS E	10 .0 0	19	Da	2-2	746109 575146
48	sriharshanallabothu@ gmail.com	Nallaboth u. Sri Harsha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90 .0 0	21	CSD	2-2	208611 060176
49	bhuvanstarpuli@gmail. com	Puli bhuvanes war	21KP1 A4484	Puli mallikarjuna	Puli ramadevi	DS	8. 30	21	Data science	2.2	950519 207474

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50	arundathi0508@gmail. com	PANDA UMA ARUNDA THI	21KP1 A4474	PANDA NARAYANA RAO	PANDA PRASANN A LAKSHMI	DS	87 .0 0	19	CSD	2-2	652650 486629
51	chinnivignesh144@gm ail.com	chinni vignesh teja yadav	21KP1 A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80 .0 0	19	Data Science	4th sem ester	639534 870436

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0vennachandanal@gmail.comVenna Chandana1adilakshmi4765@gmail.comN.Venkatesh2sravankumar7156@gmail.comSravan Kumar3sandeepyeruval124@gmail.comYeruva sandeep reddy4sivajibejjanki@gmail.comYeruva sandeep reddy5ramyayalabolu123r@gmail.comY.Ramya6charithareddy3914@gmail.comP.charitha reddy7gayathripolepalli70@gmail.comPOLEPALLI. GAYATHRI8syedtasleem07@gmail.comSyed Tasleem Afroze9sowjanyathotal1@gmail.comSyed Tasleem Afroze9sowjanyathotal1@gmail.comTamma Sahithi11podilisarayu6@gmail.comFODILI LAKSHMISARAYU12shaikkarishma811@gmail.comShaik karishma13kumarvalaparla890@gmail.comVenkata Aravind Kumar.V14patchachinnu3@gmail.comVenkata Aravind Kumar.V15manu952041@gmail.comPatcha Jaswanth16vanukuri.raghava@gmail.comPatchipulusu Manohar17shaiksakina05@gmail.comShaik sameer18undelachandraobulareddy@gmail.comShaik sameer20undelachandraobulareddy@gmail.comSyed Dailyala Reddy21farukh.786syed@gmail.comSyed Dailyala Reddy22anushayalabolu12@gmail.comSyed MADHULATHA24thammisettysrikanthraj9@gmail.comSyed MADHULATHA25shiakmobin2002@gmail.comShaik.Abdul Khadar26abdulkhadar6842@gmail.comShaik.Abdul Khadar27ravuakshaya@gmail.com		Gmail	STUDENT NAME	\
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3 sandeepyeruval124@gmail.com		_	Sravan Kumar	
5 ramyayalabolu123r@gmail.com charithareddy3914@gmail.com P.charitha reddy P.charitha reddy P.charithareddy3914@gmail.com POLEPALLI. GAYATHRI S.gyedtasleem07@gmail.com Syed Tasleem Afroze 9 sowjanyathota11@gmail.com T.SOWJANYA 10 tammasahithi1@gmail.com Tamma Sahithi 11 podilisarayu6@gmail.com PODILI LAKSHMISARAYU 12 shaikkarishma811@gmail.com Shaik karishma 13 kumarvalaparla890@gmail.com Venkata Aravind Kumar.V 14 patchachinnu3@gmail.com Patcha Jaswanth 15 manu952041@gmail.com Pachipulusu Manohar 16 vanukuri.raghava@gmail.com Raghava 17 shaiksakina05@gmail.com Shaik sameer 18 us465249@gmail.com Shaik sameer 18 us465249@gmail.com Vallu Srinu Siva Subrahmanyam Vallu Srinu Siva Subrahmanyam Vallu Srinu Siva Subrahmanyam Undelachandraobulareddy@gmail.com SyED.FARUKH 22 anushayalabolu12@gmail.com Anusha yalabolu 23 madhulathasure9@gmail.com Sure. MADHULATHA 14 thammisettysrikanthraj9@gmail.com Shaik.Abdul Khadar 15 ravuakshaya@gmail.com Shaik.Abdul Khadar 16 ravuakshaya@gmail.com Ravu.akshaya hemasanjushasanikommu828@gmail.com hema sanjusha 16 ynagasasikumar@gmail.com Y Naga Sasi Kumar	3	_	Yeruva sandeep reddy	
6 charithareddy3914@gmail.com	4	sivajibejjanki@gmail.com	B.sivaji	
6 charithareddy3914@gmail.com				
8 syedtasleem07@gmail.com Syed Tasleem Afroze 9 sowjanyathotal1@gmail.com Tamma Sahithi 10 tammasahithi1@gmail.com Tamma Sahithi 11 podilisarayu6@gmail.com PODILI LAKSHMISARAYU 12 shaikkarishma811@gmail.com shaik karishma 13 kumarvalaparla890@gmail.com Venkata Aravind Kumar.V 14 patchachinnu3@gmail.com Patcha Jaswanth 15 manu952041@gmail.com Pachipulusu Manohar 16 vanukuri.raghava@gmail.com Raghava 17 shaiksakina05@gmail.com Shaik sameer 18 us465249@gmail.com Shaik sameer 19 vallu.srinu756939@gmail.com Shaik sameer 20 undelachandraobulareddy@gmail.com Sk usman 20 undelachandraobulareddy@gmail.com SyED.FARUKH 21 farukh.786syed@gmail.com SyED.FARUKH 22 anushayalabolu12@gmail.com Sunger. MADHULATHA 23 thammisettysrikanthraj9@gmail.com Shaik.Abdul Khadar 24 thammisettysrikanthraj9@gmail.com Shaik.Abdul Khadar 25 ravuakshaya@gmail.com Ravu.akshaya 26 hemasanjushasanikommu828@gmail.com hema sanjusha 27 ravuakshaya@gmail.com hema sanjusha 28 hemasanjushasanikommu828@gmail.com Y Naga Sasi Kumar	6	charithareddy3914@gmail.com	P.charitha reddy	
9 sowjanyathotall@gmail.com 10 tammasahithil@gmail.com 21 podilisarayu6@gmail.com 22 shaikkarishma81l@gmail.com 33 kumarvalaparla890@gmail.com 44 patchachinnu3@gmail.com 55 manu95204l@gmail.com 66 vanukuri.raghava@gmail.com 77 shaiksakina05@gmail.com 78 shaiksakina05@gmail.com 78 shaik sameer 78 us465249@gmail.com 79 vallu.srinu756939@gmail.com 70 undelachandraobulareddy@gmail.com 70 undelachandra Obula Reddy 71 shiakmobin2002@gmail.com 71 SoWJANYA 71 Tamma Sahithi 71 Venkata Aravind Kumar.V 71 Pachipulusu Manohar 71 Pachipulusu Manohar 71 Pachipulusu Manohar 72 Skausman 73 Vallu Srinu Siva Subrahmanyam 74 Undela Chandra Obula Reddy 75 Undela Chandra Obula Reddy 75 Shaikmobin 75 Sha	7	gayathripolepalli70@gmail.com	POLEPALLI. GAYATHRI	
tammasahithil@gmail.com podilisarayu6@gmail.com shaikkarishma811@gmail.com shaikkarishma811@gmail.com shaik karishma kumarvalaparla890@gmail.com patchachinnu3@gmail.com shaik karishma venukuri.raghava@gmail.com shaiksakina05@gmail.com shaiksakina05@gmail.com shaiksakina05@gmail.com shaiksakina05@gmail.com shaiksakina05@gmail.com shaiksakina05@gmail.com shaik sameer s	8	syedtasleem07@gmail.com	Syed Tasleem Afroze	
podilisarayu6@gmail.com	9	sowjanyathota11@gmail.com	T.SOWJANYA	
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26 abdulkhadar6842@gmail.com Shaik.Abdul Khadar 27 ravuakshaya@gmail.com Ravu.akshaya 28 hemasanjushasanikommu828@gmail.com hema sanjusha 29 ynagasasikumar@gmail.com Y Naga Sasi Kumar				
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30 rahamtunnisashaik09@gmail.com Shaik Rahamtunnisa				
	30	rahamtunnisashaik09@gmail.com	Shaik Rahamtunnisa	

31	harik	abangaram313@gmail.com		Harika
32		dupriya72216@gmail.com		Indu Priya Patcha
33		srisajja2003@gmail.com		Bhavya sri
34		mshavejendla@gmail.com	Vojen	dla Devi Sri Sudhamsha
35				
		hanuthanirru@gmail.com	Thanir	ru Bhanu venkata prasad
36		tharayapati9@gmail.com		Nikhitha Rayapati
37		ndhupotla123@gmail.com		indhu priya
38		ulabdul22070@gmail.com		Syed.Abdul Rehaman
39		ffershaik718@gmail.com		Jaffer shaik
40		anishaik7356@gmail.com		SHAIK RABBANI
41		mayalamanchi@gmail.com		Reshma yalamanchi
42		hinagajyothi@gmail.com		T. Nagajyothi
43		ladugudurga1@gmail.com		P. Durga Sri
44	S	aidashaik371@gmail.com	SI	HAIK SAIDA ANWAR BASHA
45		mvkbn1312@gmail.com		R.M.V.K.Brahma Naidu
46	nraja	sambasivarao@gmail.com	Nar	ra Raja Samba Siva Rao
47		saisairam068@gmail.com		Sairam
48	srihars	hanallabothu@gmail.com		Nallabothu. Sri Harsha
49	bh	uvanstarpuli@gmail.com		Puli bhuvaneswar
50		rundathi0508@gmail.com		PANDA UMA ARUNDATHI
51		nivignesh144@gmail.com	chi	inni vignesh teja yadav
	ROLL NUMBER	FATHE:	R NAMEMO'	THER NAME \
0	21KP1A44C5	Venna Ramana		Venna Lakshmidevi
1	21KP1A4468	N.Manik	_	N.Sri Lakshmi
2	21KP1A4488	Rama Chand	_	Venkateswaramma
3	21KP1A44D1	Yeruva Ajay Kumar		Yeruva Anjali Devi
4	22kp5a4402	B.laks	_	B.veramma
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6	21KP1A44C6	P.Madhava	_	P.Kavitha
7	21KP1A4473 21KP1A4481	POLEPALLI. GURUBRAHMA	_	POLEPALLI.SRIDEVI
8	21KP1A44A9	Syed R		Syed Naseema
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13	21KP1A44C0	Veeras		Lakshmi.v
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51	4th semester	639534870436

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G ma il	STUDENT NAME	ROLL NUMBE R	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UID AI NO	
1	adilakshmi4765@gmail .com	N.Venka tesh	21KP1 A4468	N.Manikya Rao	N.Sri Lakshmi	CS E	83 .0	19	CSE-DS	II-II	602515 258256
3	sandeepyeruva1124@ 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@g mail.com	Y.Ramy a	21KP1 A44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80 .0	19	CSD	2-2	724574 588425
6	charithareddy3914@g mail.com	P.charit ha reddy	21KP1 A4475	P.Madhava Reddy	P.Kavitha	DS	70 .0	19	CSD	2.2	810177 524502
7	gayathripolepalli70@g mail.com	POLEP ALLI. GAYAT HRI	21KP1 A4481	POLEPALLI. GURUBRAH MA CHARI	POLEPALL I.SRIDEVI	DS	10 .0	19	Data Science	2-2	721819 168061
12	shaikkarishma811@gm ail.com	shaik karishm a	21KP1 A4496	SHAIK BAJI	SHAIK KHADRUN	DS	9. 0	19	ds	2-2	663048 521599
15	manu952041@gmail.c om	Pachipul usu Manoha r	21KP1 A4472	Pachipulusu Prasad	Pachipulus u 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@gm ail.com	Vallu Srinu Siva Subrah manyam	21KP1 A44C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73 .0	20	Comput er Science Enginee ring& Data Science	4	******

G ma il	STUDENT NAME	ROLL NUMBE R	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UID AI NO	
20	undelachandraobulare ddy@gmail.com	Undela Chandra Obula Reddy	21KP1 A44B9	Undela Chinna Obula Reddy	Undela GuruLaksh mi	DS	9. 2	20	Comput er Science	2-2	693621 780842
22	anushayalabolu12@g mail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanam a	DS	75 .0	19	CSD	2-2	830785 066037
23	madhulathasure9@gm ail.com	SURE. MADHU LATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10 .0	20	Data science	2-2	776486 062608
25	shiakmobin2002@gmai I.com	Shaikmo bin	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8. 8	21	Ds	2.2	904355 656468
27	ravuakshaya@gmail.co m	Ravu.ak shaya	21KP1 A4485	Ravu.sriniva srao	Ravu.aruna kumari	DS	80 .0	19	Ds	2.2	544305 783128
28	hemasanjushasanikom mu828@gmail.com	hema sanjush a	21KP1 A4491	musalareddy	sivaparvathi	CS E	73 .0	18h	cse	2-2	422314 863763
29	ynagasasikumar@gmai l.com	Y Naga Sasi Kumar	21KP1 A44D0	Y Rama mohanarao	Y Lalitha	DS	9. 2	20	Data Science	2-2	448172 496292
31	harikabangaram313@g mail.com	Harika	22KP5 A4401	A.Subraman yam	A.Dhana Bhagyam	DS	75 .0	19	Data science	2-2	574930 568520
33	bhavyasrisajja2003@g mail.com	Bhavya sri	21KP1 A4490	Mohan krishna	Usha rani	DS	70 .0	19	Ds	2-2	274736 890047
34	sudhamshavejendla@g mail.com	Vejendla Devi Sri Sudham sha	21KP1 A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CS E	70 .0	19	Cse- Data Science	2_2	587480 445790
35	bhanuthanirru@gmail.c om	Thanirru Bhanu venkata prasad	21KP1 A44B2	T sathyanaray ana	T rama devi	DS	9. 6	19	Data Science	2-2	357228 202835
36	nikitharayapati9@gmail .com	Nikhitha Rayapat i	21KP1 A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80 .0	19	Ds	2-2	963360 828294
37	indhupotla123@gmail.c om	indhu priya	21KP1 A4483	Lakshmanar ayana	Sujatha	CS E	72 .0	19	cse	2-2	524345 891620
38	abdulabdul22070@gm ail.com	Syed.Ab dul Rehama n	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krish na veni	DS	90 .0	20	DS	2-2	347853 509974
39	jaffershaik718@gmail.c om	Jaffer shaik	21KP1 A4495	shaik.LaiLah a	shaik.Ramj an bee	CS E	70 .0	19	cse	2nd	912229 276699

G ma il	STUDENT NAME	ROLL NUMBE R	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UID AI NO	
40	rabbanishaik7356@gm ail.com	SHAIK RABBA NI	21KP1 A4499	SHAIK MOHAMMA D HANIF	SHAIK MALIN	DS	9. 5	21	CSD	2-2	205933 956204
41	reshmayalamanchi@g mail.com	Reshma yalaman chi	21KP1 A44C9	Yalamanchi subba Rao	Yalamanchi sunitha	DS	75 .0	19	DS	4	742366 316353
42	thiriveedhinagajyothi@ gmail.com	T. Nagajyo thi	21KP1 A44B7	T. Venkayya	T. Ramanjam ma	DS	75 .0	19	DS	4	330477 145525
43	paladugudurga1@gmai I.com	P. Durga Sri	21KP1 A4473	P. Amareswara rao	P. Seshu Kumari	DS	80 .0	20	CSD(Da ta 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.c om	Sairam	21kp1a 44b4	Venkata subbiah	Ravanamm a	CS E	10 .0	19	Da	2-2	746109 575146
48	sriharshanallabothu@g mail.com	Nallabot hu. Sri Harsha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90 .0	21	CSD	2-2	208611 060176
49	bhuvanstarpuli@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@gm ail.com	chinni vignesh teja yadav	21KP1 A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80 .0	19	Data Science	4th sem ester	639534 870436

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

Gmail STUDENT NAME ROLL NUMBER \
21 farukh.786syed@gmail.com SYED.FARUKH 21KP1A44A7 \
4 sivajibejjanki@gmail.com B.sivaji 22kp5a4402 \
24 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
                                                   0.75
              T.vasu
                                   T.jaya
                                               DS
                                                         19
                                                                  Data Science
32
     Appa rao Patcha
                            Renuka Patcha
                                               DS
                                                   0.75
                                                         18
                                                                   Data Science
13
                                                         20
                                                                  Data Science
        Veeraswamy.v
                                Lakshmi.v
                                               DS
                                                   0.98
14
      Patcha apparao
                           Patcha sukanya
                                              CSE
                                                   0.99
                                                         20
                                                                  Data science
2
                                            MECH
                                                   7.00
                                                         20
    Rama Chandra Rao
                          Venkateswaramma
                                                                           mech
16
     Srinivasa reddy
                                   Jyothi
                                               DS
                                                   7.00
                                                         19
                                                                   Data science
45
                                                   7.00
         Yedukondalu
                                  Nirmala
                                               DS
                                                         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
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              2-2
                     510305345824
              2 - 2
      14
                     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
1	adilakshmi4765@gmail.com	N.Venkatesh 21KP1A4468	3
5	ramyayalabolu123r@gmail.com	Y.Ramya 21KP1A44C8	3
17	shaiksakina05@gmail.com	Shaik sameer 21KP1A44A3	3
27	ravuakshaya@gmail.com	Ravu.akshaya 21KP1A4485	5
36	nikitharayapati9@gmail.com	Nikhitha Rayapati 21KP1A4487	7
43	paladugudurga1@gmail.com	P. Durga Sri 21KP1A4473	3
44	saidashaik371@gmail.com	SHAIK SAIDA ANWAR BASHA 21KP1A44A2	
	FATHER NAME	MOTHER NAME COURSE CGPA AGE \	
38	Syed.Meera Sharif Ba	andi.Krishna veni DS 90.0 20	
48	Nallabothu. Anjaneyulu Na	allabothu. Anitha DS 90.0 21	
50	PANDA NARAYANA RAO PANDA	PRASANNA LAKSHMI DS 87.0 19	

1	N.Manikya Ra	0	N.Sri Lakshmi	CSE	83.0	19
5	Y.Anjaia	h	Y Lakshmi Rajyam	DS	80.0	19
17	Shaik Rahim babu		Shaik Raziya	DS	80.0	20
27	Ravu.srinivasra	0	Ravu.aruna kumari	DS	80.0	19
36	Rayapati hanumathra	o Ra	yapati malleswari	DS	80.0	19
43	P. Amareswara ra	0	P. Seshu Kumari	DS	80.0	20
44	SHAIK KUDHAN VALI	SHA	IK SAIDA HUSSANBI	DS	80.0	20
	BRANCH SE	MISTER	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()

Gm ail	STUDEN T NAME	ROLL NUMBER	FATHER NAME	MOTHE R NAME	COURSE	CGPA	SEMIS TER	UI DA I NO		
AG E	BRANCH									
	Data Science	indupriya72216@gmail.c om	Indu Priya Patcha	21KP1A 4476	Appa rao Patcha	Renuka Patcha	DS	0.7 5	2- 2	5730418 80949
18	Data science	rahamtunnisashaik09@g mail.com	Shaik Rahamtu nnisa	21KP1A 44A0	Shaik.maha boobjani	Shaik.munni	DS	8.0	2- 2	4069761 69351
	CSD	ramyayalabolu123r@gma il.com	Y.Ramya	21KP1A 44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80. 00	2- 2	7245745 88425
19	CSD (Data science)	nrajasambasivarao@gma il.com	Narra Raja Samba Siva Rao	21KP1A 4471	Narra SrinivasaRa o	Narra Ramadevi	DS	7.5 0	4	8354579 02826
	CSE (Data science)	tammasahithi1@gmail.co m	Tamma Sahithi	21KP1A 44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.7 0	2- 2	6853498 32128
	CSE-DS	adilakshmi4765@gmail.c om	N.Venkat esh	21KP1A 4468	N.Manikya Rao	N.Sri Lakshmi	CSE	83. 00	II- II	6025152 58256

Gm ail AG E	STUDEN T NAME BRANCH	ROLL NUMBER	FATHER NAME	MOTHE R NAME	COURSE	CGPA	SEMIS TER	UI DA I NO		
	Cse- Data Science	sudhamshavejendla@gm ail.com	Vejendla Devi Sri Sudhams ha	21KP1A 44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CSE	70. 00	2 - 2	5874804 45790
	DATA SCIENC E	sowjanyathota11@gmail. com	T.SOWJA NYA	21KP1A 44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI	DS	8.0	2- 2	3386669 48901
	DS	syedtasleem07@gmail.co m	Syed Tasleem Afroze	21KP1A 44A9	Syed Rahiman	Syed Naseema	MECH	8.0	2- 2	6170203 54793
	Da	saisairam068@gmail.co m	Sairam	21kp1a 44b4	Venkata subbiah	Ravanamma	CSE	10. 00	2- 2	7461095 75146
	Data Science	manu952041@gmail.com	Pachipulu su Manohar	21KP1A 4472	Pachipulusu Prasad	Pachipulusu Bhavani	MECH	8.5 0	2- 2	5593661 14423
	Data Science	gayathripolepalli70@gma il.com	POLEPAL LI. GAYATH RI	21KP1A 4481	POLEPALLI GURUBRA HMA CHARI	POLEPALLI. SRIDEVI	DS	10. 00	2- 2	7218191 68061
	Data science	vanukuri.raghava@gmail. com	Raghava	21KP1A 44C3	Srinivasa reddy	Jyothi	DS	7.0 0	2- 2	4249730 81348
	Data science	vennachandana1@gmail. com	Venna Chandan a	21KP1A 44C5	Venna Ramanared dy	Venna Lakshmidevi	DS	8.0	2- 2	6363369 22883
	Ds	ravuakshaya@gmail.com	Ravu.aks haya	21KP1A 4485	Ravu.sriniva srao	Ravu.aruna kumari	DS	80. 00	2. 2	5443057 83128
	cse	indhupotla123@gmail.co m	indhu priya	21KP1A 4483	Lakshmanar ayana	Sujatha	CSE	72. 00	2- 2	5243458 91620
	ds	shaikkarishma811@gmail .com	shaik karishma	21KP1A 4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.0 0	2- 2	6630485 21599
	CSD(Dat a Science)	paladugudurga1@gmail.c om	P. Durga Sri	21KP1A 4473	P. Amareswar a rao	P. Seshu Kumari	DS	80. 00	2- 2	6921626 61608
20	CSE	sandeepyeruva1124@gm ail.com	Yeruva sandeep reddy	21KP1A 44D1	Yeruva Ajay Kumar reddy	Yeruva Anjali Devi	CSE	9.5 0	2- 3	5761549 90146
	Compute r Science	undelachandraobularedd y@gmail.com	Undela Chandra Obula Reddy	21KP1A 44B9	Undela Chinna Obula Reddy	Undela GuruLakshm i	DS	9.2	2- 2	6936217 80842

Gm ail AG E	STUDEN T NAME BRANCH	ROLL NUMBER	FATHER NAME	MOTHE R NAME	COURSE	CGPA	SEMIS TER	UI DA I NO		
	Compute r Science Engineer ing& Data Science	vallu.srinu756939@gmail .com	Vallu Srinu Siva Subrahm anyam	21KP1A 44C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73. 00	4	******* **
	DATASC IENCE	saidashaik371@gmail.co m	SHAIK SAIDA ANWAR BASHA	21KP1A 44A2	SHAIK KUDHAN VALI	SHAIK SAIDA HUSSANBI	DS	80. 00	2-2	4667226 50274
	DS	shaiksakina05@gmail.co m	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.Karee m	Shaik.Farjan a	ECE	8.0 0	2- 2	3347082 89154
	Data Science	kumarvalaparla890@gma il.com	Venkata Aravind Kumar.V	21KP1A 44C0	Veeraswam y.v	Lakshmi.v	DS	0.9	2- 2	5103053 45824
	Data science	mvkbn1312@gmail.com	R.M.V.K. Brahma Naidu	21KP1A 4489	Yedukondal u	Nirmala	DS	7.0 0	2- 2	2387 7088 9424
	Data science	patchachinnu3@gmail.co m	Patcha Jaswanth	21KP1A 4477	Patcha apparao	Patcha sukanya	CSE	0.9 9	2- 2	7440204 13963
	mech	sravankumar7156@gmail .com	Sravan Kumar	21KP1A 4488	Rama Chandra Rao	Venkateswar amma	MECH	7.0 0	4	9303190 53088
	CSD	rabbanishaik7356@gmail .com	SHAIK RABBANI	21KP1A 4499	SHAIK MOHAMMA D HANIF	SHAIK MALIN	DS	9.5 0	2- 2	2059339 56204
21	Data science	bhuvanstarpuli@gmail.co m	Puli bhuvanes war	21KP1A 4484	Puli mallikarjuna	Puli ramadevi	DS	8.3	2. 2	9505192 07474
	Ds	shiakmobin2002@gmail.c om	Shaikmob in	21KP1A 4497	shaik karimullah	Shaik rihana	DS	8.8	2. 2	9043556 56468
23	Compute r science	sivajibejjanki@gmail.com	B.sivaji	22kp5a 4402	B.lakshmaia h	B.veramma	DS	0.7 2	2- 2	8954446 62410
18 h	cse	hemasanjushasanikomm u828@gmail.com	hema sanjusha	21KP1A 4491	musalaredd y	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

 $df \!\!=\!\! Data.group by ('COURSE').get_group ('DS')$

df

G ma il	STUDENT NAME	ROLL NUMBER	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UI DA I NO	
0	vennachandana1@g mail.com	Venna Chandana	21KP1 A44C5	Venna Ramanaredd y	Venna Lakshmidev i	DS	8.0	19	Data science	2-2	636336 922883
4	sivajibejjanki@gmail. com	B.sivaji	22kp5a 4402	B.lakshmaia h	B.veramma	DS	0.7	23	Comput er 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	POLEPAL LI. GAYATH RI	21KP1 A4481	POLEPALLI. GURUBRAH MA CHARI	POLEPALLI .SRIDEVI	DS	10. 00	19	Data Science	2-2	721819 168061
9	sowjanyathota11@g mail.com	T.SOWJA NYA	21KP1 A44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI	DS	8.0 0	19	DATA SCIENC E	2-2	338666 948901
10	tammasahithi1@gma il.com	Tamma Sahithi	21KP1 A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.7 0	19	CSE (Data science)	2-2	685349 832128

G ma il	STUDENT NAME	ROLL NUMBER	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UI DA I NO	
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@g mail.com	shaik karishma	21KP1 A4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.0	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
16	vanukuri.raghava@g mail.com	Raghava	21KP1 A44C3	Srinivasa reddy	Jyothi	DS	7.0 0	19	Data science	2-2	424973 081348
17	shaiksakina05@gmai I.com	Shaik sameer	21KP1 A44A3	Shaik Rahim babu	Shaik Raziya	DS	80. 00	20	DS	2-2	529261 464345
18	us465249@gmail.co m	S sk usman	21KP1 A4492	S sk mastan vali	Mahabobba	DS	50. 00	19	DS	2-2	568753 875709
19	vallu.srinu756939@g mail.com	Vallu Srinu Siva Subrahma nyam	21KP1 A44C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73. 00	20	Comput er Science Engineer ing& Data Science	4	******
20	undelachandraobular eddy@gmail.com	Undela Chandra Obula Reddy	21KP1 A44B9	Undela Chinna Obula Reddy	Undela GuruLaksh mi	DS	9.2	20	Comput er Science	2-2	693621 780842
21	farukh.786syed@gm ail.com	SYED.FA RUKH	21KP1 A44A7	SYED.BAJI	SYED.SAR THAJ BEGUM	DS	0.7	19	DS	2-2	764320 730678
22	anushayalabolu12@ gmail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanam a	DS	75. 00	19	CSD	2-2	830785 066037
23	madhulathasure9@g mail.com	SURE. MADHUL ATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10. 00	20	Data science	2-2	776486 062608
24	thammisettysrikanthr aj9@gmail.com	T.Srikanth	21KP1 A44B5	T.vasu	T.jaya	DS	0.7 5	19	Data Science	2-2	673112 205183
25	shiakmobin2002@g mail.com	Shaikmobi n	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8.8	21	Ds	2.2	904355 656468
27	ravuakshaya@gmail. com	Ravu.aksh aya	21KP1 A4485	Ravu.sriniva srao	Ravu.aruna kumari	DS	80. 00	19	Ds	2.2	544305 783128
29	ynagasasikumar@g mail.com	Y Naga Sasi Kumar	21KP1 A44D0	Y Rama mohanarao	Y Lalitha	DS	9.2 0	20	Data Science	2-2	448172 496292

G ma il	STUDENT NAME	ROLL NUMBER	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UI DA I NO	
30	rahamtunnisashaik09 @gmail.com	Shaik Rahamtun nisa	21KP1 A44A0	Shaik.mahab oobjani	Shaik.munn i	DS	8.0	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@gm ail.com	Indu Priya Patcha	21KP1 A4476	Appa rao Patcha	Renuka Patcha	DS	0.7 5	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
35	bhanuthanirru@gmail .com	Thanirru Bhanu venkata prasad	21KP1 A44B2	T sathyanaray ana	T rama devi	DS	9.6 0	19	Data Science	2-2	357228 202835
36	nikitharayapati9@gm ail.com	Nikhitha Rayapati	21KP1 A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80. 00	19	Ds	2-2	963360 828294
38	abdulabdul22070@g mail.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@g mail.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@gm ail.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@gmai I.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.c om	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

G ma il	STUDENT NAME	ROLL NUMBER	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UI DA I NO	
49	bhuvanstarpuli@gma il.com	Puli bhuvanes war	21KP1 A4484	Puli mallikarjuna	Puli ramadevi	DS	8.3 0	21	Data science	2.2	950519 207474
50	arundathi0508@gmai I.com	PANDA UMA ARUNDA THI	21KP1 A4474	PANDA NARAYANA RAO	PANDA PRASANN A LAKSHMI	DS	87. 00	19	CSD	2-2	652650 486629
51	chinnivignesh144@g mail.com	chinni vignesh teja yadav	21KP1 A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80. 00	19	Data Science	2-2	639534 870436

$$\label{eq:course} \begin{split} df1 = &Data.groupby('COURSE').get_group('CSE') \\ df1 \end{split}$$

Gm ail	STUDENT NAME	ROLL NUMB ER	FATHE R NAME	MOTHER NAME	COURS E	CG PA	AG E	BRA NCH	SEMIS TER	UID AI NO	
1	adilakshmi4765@gmail.co m	N.Venk atesh	21KP1A 4468	N.Manikya Rao	N.Sri Lakshmi	CS E	83. 00	19	CSE- DS	II-II	6025152 58256
3	sandeepyeruva1124@gm ail.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.co m	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@gma il.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	indhu priya	21KP1A 4483	Lakshmana rayana	Sujatha	CS E	72. 00	19	cse	2-2	5243458 91620
39	jaffershaik718@gmail.com	Jaffer shaik	21KP1A 4495	shaik.LaiLa ha	shaik.R amjan bee	CS E	70. 00	19	cse	2nd	9122292 76699

Gm ail	STUDENT NAME	ROLL NUMB ER	FATHE R NAME	MOTHER NAME	COURS E	CG PA	AG E	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

Gm ail	STUDENT NAME	ROLL NUMB ER	FATHER NAME	MOTH ER 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

Gm ail	STUDENT NAME	ROLL NUMBE R	FATHER NAME	MOTHE R NAME	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	STUDEN T NAME	ROLL NUMBE R	FATHER NAME	MOTH ER NAME	COUR SE	CG PA	AG E	BRAN CH	SEMIS TER	UIDAI NO
3	rahamtunnisashaik09@ gmail.com	Shaik Rahamtu nnisa	21KP1A4 4A0	Shaik.mahabo objani	Shaik.m unni	DS	8.00	18	Data science	2-2	40697616 9351
3 2	indupriya72216@gmail .com	Indu Priya Patcha	21KP1A4 476	Appa rao Patcha	Renuka Patcha	DS	0.75	18	Data Scienc e	2-2	57304188 0949

$$\label{eq:df5} \begin{split} df5 = &Data.group by ('AGE').get_group (19) \\ df5 \end{split}$$

Gmail	STUDENT NAME	ROLL NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRA NCH	SEMIS TER	UIDAI NO
vennachandana1@gma il.com	Venna Chandana	21KP1A 44C5	Venna Ramanared dy	Venna Lakshmidevi	DS	8.00	19	Data scienc e	2-2	6363369 22883
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
ramyayalabolu123r@g mail.com	Y.Ramya	21KP1A 44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80.0	19	CSD	2-2	7245745 88425
charithareddy3914@g mail.com	P.charitha reddy	21KP1A 4475	P.Madhava Reddy	P.Kavitha	DS	70.0 0	19	CSD	2.2	8101775 24502
gayathripolepalli70@g mail.com	POLEPALLI GAYATHRI	21KP1A 4481	POLEPAL LI. GURUBR AHMA CHARI	POLEPALLI. SRIDEVI	DS	10.0	19	Data Scienc e	2-2	7218191 68061
syedtasleem07@gmail.	Syed Tasleem Afroze	21KP1A 44A9	Syed Rahiman	Syed Naseema	MEC H	8.00	19	DS	2-2	6170203 54793
sowjanyathota11@gma il.com	T.SOWJAN YA	21KP1A 44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI	DS	8.00	19	DAT A SCIE NCE	2-2	3386669 48901
tammasahithi1@gmail. com	Tamma Sahithi	21KP1A 44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.70	19	CSE (Data scienc e)	2-2	6853498 32128
podilisarayu6@gmail.c om	PODILI LAKSHMIS ARAYU	21KP1A 4480	PODILI RAMESH	PODILI ADILAKSHM I	DS	7.50	19	DAT A SCIE NCE	2-2	4586897 41091
	vennachandana1@gma il.com adilakshmi4765@gmai l.com ramyayalabolu123r@g mail.com charithareddy3914@g mail.com gayathripolepalli70@g mail.com syedtasleem07@gmail.com sowjanyathota11@gma il.com tammasahithi1@gmail.com	vennachandana1@gma il.com Chandana adilakshmi4765@gmai l.com N.Venkatesh ramyayalabolu123r@g mail.com P.charitha reddy gayathripolepalli70@g mail.com GAYATHRI syedtasleem07@gmail. Com Afroze sowjanyathota11@gma il.com Tasleem Afroze tammasahithi1@gmail. Tamma Sahithi podilisarayu6@gmail.c PODILI LAKSHMIS	GmailSTODENT NAMENUMB ERvennachandana1@gma il.comVenna Chandana21KP1A 44C5adilakshmi4765@gmai l.comN.Venkatesh21KP1A 4468ramyayalabolu123r@g mail.comY.Ramya21KP1A 44C8charithareddy3914@g mail.comP.charitha reddy21KP1A 4475gayathripolepalli70@g mail.comPOLEPALLI GAYATHRI21KP1A 4481syedtasleem07@gmail. comSyed Tasleem Afroze21KP1A 44A9sowjanyathota11@gma il.comT.SOWJAN YA21KP1A 44B6tammasahithi1@gmail. comTamma Sahithi21KP1A 44B0podilisarayu6@gmail.c LAKSHMISPODILI 21KP1A 4480	GmailSTODENT NAMENUMB ERFATHER NAMEvennachandanal@gma il.comVenna Chandana21KP1A 44C5Venna Ramanared dyadilakshmi4765@gmai ramyayalabolu123r@g mail.comN.Venkatesh21KP1A 4468N.Manikya Raocharithareddy3914@g mail.comP.Charitha reddy21KP1A 4475P.Madhava Reddygayathripolepalli70@g mail.comPOLEPALLI GAYATHRI21KP1A 4481POLEPAL LIL GURUBR AHMA CHARIsyedtasleem07@gmail. comSyed Tasleem Afroze21KP1A 44A9Syed Rahimansowjanyathota11@gma il.comT.SOWJAN YA21KP1A 44B6T.SAMBA SIVA RAOtammasahithi1@gmail. comTamma Sahithi21KP1A 21KP1A 21KP1A 44B0Tamma krishna reddypodilisarayu6@gmail.c LAKSHMISPODILI 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A 21KP1A <th>Gmail STODENT NAME NUMB ER FATHER NAME MOTHER NAME vennachandana1@gma il.com Venna Chandana 21KP1A 44C5 Venna Ramanared dy Venna Lakshmidevi adilakshmi4765@gmai l.com N.Venkatesh 21KP1A 44C8 N.Manikya Rao N.Sri Lakshmi ramyayalabolu123r@g mail.com Y.Ramya 21KP1A 44C8 Y.Anjaiah Y Lakshmi Rajyam charithareddy3914@g mail.com P.charitha 21KP1A 44C8 P.Madhava Reddy P.Kavitha gayathripolepalli70@g mail.com POLEPALLI GAYATHRI 21KP1A 4481 POLEPAL LI. GURUBR AHMA CHARI POLEPALLI. SRIDEVI syedtasleem07@gmail. com Syed Tasleem Afroze 21KP1A 4481 Syed Rahiman Syed Naseema sowjanyathota11@gma il.com T.SOWJAN 7A 44B6 T.SAMBA SIVA RAO T.ARUNA KUMARI tammasahithi1@gmail. com Tamma Sahithi 21KP1A 44B0 Tamma krishna reddy Tamma Padmavathi podilisarayu6@gmail.com PODILI LAKSHMIS 21KP1A 4480 PODILI PODILI ALAKSHMI PODILI ALAKSHMI</th> <th>Gmail NAME NUMB ER FATHER NAME MOTHER NAME COUNTING vennachandanal@gma il.com Venna Chandana 21KP1A 44C5 Ramanared dy Venna Lakshmidevi DS adilakshmi4765@gmai l.com N.Venkatesh 21KP1A 4468 N.Manikya Rao N.Sri Lakshmi CSE ramyayalabolu123r@g mail.com Y.Ramya 21KP1A 44C8 Y.Anjaiah Rajyam Y Lakshmi Rajyam DS charithareddy3914@g mail.com P.charitha reddy 21KP1A 4475 P.Madhava Reddy P.Kavitha DS gayathripolepalli70@g mail.com POLEPALLI GAYATHRI 21KP1A 4481 POLEPAL LI. GURUBR AHMA CHARI POLEPALLI. GURUBR AHMA CHARI DS syedtasleem07@gmail.com T.SOWJAN Afroze 21KP1A 4480 Syed Naseema MEC NAME AHMA RAO sowjanyathotal1@gma il.com T.SOWJAN A44B6 T.SAMBA SIVA KUMARI T.ARUNA KUMARI DS tammasahithi1@gmail.com Tamma Sahithi 21KP1A 4480 Tamma krishna reddy Tamma Padmavathi DS podilisarayu6@gmail.com PODILI LAKSHMIS 21KP1A 4480 PODILI PODILI PODILI AAKSHMI DS</th> <th>Gmail NAME NUMB RAME FATHER NAME MOTHER NAME CG PA vennachandanal@gma il.com Venna chandana 21KP1A 44C5 Ramanared dy Panama Lakshmidevi DS 8.00 adilakshmi4765@gmai l.com N.Venkatesh 21KP1A 4468 N.Manikya Rao N.Sri Lakshmi CSE 83.0 0 ramyayalabolu123r@g mail.com Y.Ramya 21KP1A 44C8 Y.Anjaiah 44C8 Y.Lakshmi Rajyam DS 80.0 0 charithareddy3914@g mail.com P.charitha reddy 21KP1A 4475 P.Madhava Reddy P.Kavitha DS 70.0 0 gayathripolepalli70@g mail.com POLEPALLI GAYATHRI 21KP1A 4481 POLEPAL LI GURUBR AHMA CHARI POLEPALLI SRIDEVI DS 10.0 0 syedtasleem07@gmail.com TSSyed Affroze 21KP1A 444A9 Syed Naseema Affroze MEC H 8.00 sowjanyathotal1@gma il.com T.SOWJAN 21KP1A 4480 T.SAMBA RAO T.ARUNA KUMARI DS 8.00 tammasahithi1@gmail.com Tamma Sahithi 21KP1A 4480 Tamma krishna reddy Tamma krishna reddy DS 7.70 podilisarayu6@gmail.com PODILI LAKSHMIS 21KP1A 4480 PODILI ADLIAKSHM DS 7.50</th> <th>Gmail NAME NUMB ER NAME NAME MAME NAME NAME NAME COLOR GE ER vennachandanal @gma il.com Venna Chandana 21KP1A 44C5 Ramanared Ramanared dy Ramanared dy Lakshmidevi DS 8.00 19 adilakshmi4765@gmai l.com N.Venkatesh 21KP1A 4468 N.Manikya Rao N.Sri Lakshmi CSE 83.0 19 ramyayalabolu123r@g mail.com Y.Ramya 21KP1A 4468 Y.Anjaiah Rajyam Y.Lakshmi DS 0 19 charithareddy3914@g mail.com P.charitha reddy 21KP1A 4475 P.Madhava Reddy P.Kavitha DS 70.0 19 gayathripolepalli70@g mail.com POLEPALLI GAYATHRI 21KP1A 4481 POLEPALL GURUBR AHMA CHARI POLEPALLI GURUBR AHMA CHARI DS 10.0 19 syedtasleem07@gmail. com Tasleem Afrozz 21KP1A 4480 Tasleem AHMA RAO T.ARUNA KUMARI DS 8.00 19 sowjanyathotal1@gmail. com Tamma YA 21KP1A 4480 Tamma Rrishna Rrishna reddy Tamma Rrishna Rrishna reddy Tamma Rrishna Rajyam DS 7.70 19</th> <th>Gmail NAME NUMB ER FAHER NAME MOTHER NAME COULTIES EPA E FOR THE NOTH G BRCH NAME vennachandanal@gma il.com CVenna Chandana 21KP1A 44C5 Ramanared dy Lakshmidevi DS 8.00 19 Data science e e adilakshmi4765@gmai l.com N.Venkatesh 21KP1A 44C8 N.Manikya Rao N.Sri Lakshmi CSE 83.0 19 CSE ramyayalabolu123r@g mail.com Y.Ramya 21KP1A 44C8 Y.Anjaiah Y.Lakshmi DS 80.0 19 CSD charithareddy3914@g mail.com P.Charitha reddy 21KP1A 244C8 P.Madhava Reddy P.Kavitha DS 70.0 19 CSD gayathripolepalli70@g mail.com POLEPALLI GAYATHRI 21KP1A 24481 POLEPALL GURUBR AHMA CHARI POLEPALLI GURUBR AHMA CHARI DS 10.0 19 Data Science and AHMA CHARI syedtasleem07@gmail.com Tasleem Afroze 21KP1A 24A8 Syed Naseema AHMA CHARI DS 8.00 19 DAT AAMA CHARI sowjanyathota11@gmail.com T.SOWJAN YA 21KP1A 24A8 Tamma Raiman Raiman Raiman</th> <th>Gmail NAME NUMB ER NAME NAME NAME RSE PA G E NCH SEMIS TERM vennachandanal @gma il.com Venna Chandana 21KP1A 44CS Ramanared dy Olombia Venna Lakshmidevi DS 8.00 19 Data cell cell cell cell cell cell cell cel</th>	Gmail STODENT NAME NUMB ER FATHER NAME MOTHER NAME vennachandana1@gma il.com Venna Chandana 21KP1A 44C5 Venna Ramanared dy Venna Lakshmidevi adilakshmi4765@gmai l.com N.Venkatesh 21KP1A 44C8 N.Manikya Rao N.Sri Lakshmi ramyayalabolu123r@g mail.com Y.Ramya 21KP1A 44C8 Y.Anjaiah Y Lakshmi Rajyam charithareddy3914@g mail.com P.charitha 21KP1A 44C8 P.Madhava Reddy P.Kavitha gayathripolepalli70@g mail.com POLEPALLI GAYATHRI 21KP1A 4481 POLEPAL LI. GURUBR AHMA CHARI POLEPALLI. SRIDEVI syedtasleem07@gmail. com Syed Tasleem Afroze 21KP1A 4481 Syed Rahiman Syed Naseema sowjanyathota11@gma il.com T.SOWJAN 7A 44B6 T.SAMBA SIVA RAO T.ARUNA KUMARI tammasahithi1@gmail. com Tamma Sahithi 21KP1A 44B0 Tamma krishna reddy Tamma Padmavathi podilisarayu6@gmail.com PODILI LAKSHMIS 21KP1A 4480 PODILI PODILI ALAKSHMI PODILI ALAKSHMI	Gmail NAME NUMB ER FATHER NAME MOTHER NAME COUNTING vennachandanal@gma il.com Venna Chandana 21KP1A 44C5 Ramanared dy Venna Lakshmidevi DS adilakshmi4765@gmai l.com N.Venkatesh 21KP1A 4468 N.Manikya Rao N.Sri Lakshmi CSE ramyayalabolu123r@g mail.com Y.Ramya 21KP1A 44C8 Y.Anjaiah Rajyam Y Lakshmi Rajyam DS charithareddy3914@g mail.com P.charitha reddy 21KP1A 4475 P.Madhava Reddy P.Kavitha DS gayathripolepalli70@g mail.com POLEPALLI GAYATHRI 21KP1A 4481 POLEPAL LI. GURUBR AHMA CHARI POLEPALLI. GURUBR AHMA CHARI DS syedtasleem07@gmail.com T.SOWJAN Afroze 21KP1A 4480 Syed Naseema MEC NAME AHMA RAO sowjanyathotal1@gma il.com T.SOWJAN A44B6 T.SAMBA SIVA KUMARI T.ARUNA KUMARI DS tammasahithi1@gmail.com Tamma Sahithi 21KP1A 4480 Tamma krishna reddy Tamma Padmavathi DS podilisarayu6@gmail.com PODILI LAKSHMIS 21KP1A 4480 PODILI PODILI PODILI AAKSHMI DS	Gmail NAME NUMB RAME FATHER NAME MOTHER NAME CG PA vennachandanal@gma il.com Venna chandana 21KP1A 44C5 Ramanared dy Panama Lakshmidevi DS 8.00 adilakshmi4765@gmai l.com N.Venkatesh 21KP1A 4468 N.Manikya Rao N.Sri Lakshmi CSE 83.0 0 ramyayalabolu123r@g mail.com Y.Ramya 21KP1A 44C8 Y.Anjaiah 44C8 Y.Lakshmi Rajyam DS 80.0 0 charithareddy3914@g mail.com P.charitha reddy 21KP1A 4475 P.Madhava Reddy P.Kavitha DS 70.0 0 gayathripolepalli70@g mail.com POLEPALLI GAYATHRI 21KP1A 4481 POLEPAL LI GURUBR AHMA CHARI POLEPALLI SRIDEVI DS 10.0 0 syedtasleem07@gmail.com TSSyed Affroze 21KP1A 444A9 Syed Naseema Affroze MEC H 8.00 sowjanyathotal1@gma il.com T.SOWJAN 21KP1A 4480 T.SAMBA RAO T.ARUNA KUMARI DS 8.00 tammasahithi1@gmail.com Tamma Sahithi 21KP1A 4480 Tamma krishna reddy Tamma krishna reddy DS 7.70 podilisarayu6@gmail.com PODILI LAKSHMIS 21KP1A 4480 PODILI ADLIAKSHM DS 7.50	Gmail NAME NUMB ER NAME NAME MAME NAME NAME NAME COLOR GE ER vennachandanal @gma il.com Venna Chandana 21KP1A 44C5 Ramanared Ramanared dy Ramanared dy Lakshmidevi DS 8.00 19 adilakshmi4765@gmai l.com N.Venkatesh 21KP1A 4468 N.Manikya Rao N.Sri Lakshmi CSE 83.0 19 ramyayalabolu123r@g mail.com Y.Ramya 21KP1A 4468 Y.Anjaiah Rajyam Y.Lakshmi DS 0 19 charithareddy3914@g mail.com P.charitha reddy 21KP1A 4475 P.Madhava Reddy P.Kavitha DS 70.0 19 gayathripolepalli70@g mail.com POLEPALLI GAYATHRI 21KP1A 4481 POLEPALL GURUBR AHMA CHARI POLEPALLI GURUBR AHMA CHARI DS 10.0 19 syedtasleem07@gmail. com Tasleem Afrozz 21KP1A 4480 Tasleem AHMA RAO T.ARUNA KUMARI DS 8.00 19 sowjanyathotal1@gmail. com Tamma YA 21KP1A 4480 Tamma Rrishna Rrishna reddy Tamma Rrishna Rrishna reddy Tamma Rrishna Rajyam DS 7.70 19	Gmail NAME NUMB ER FAHER NAME MOTHER NAME COULTIES EPA E FOR THE NOTH G BRCH NAME vennachandanal@gma il.com CVenna Chandana 21KP1A 44C5 Ramanared dy Lakshmidevi DS 8.00 19 Data science e e adilakshmi4765@gmai l.com N.Venkatesh 21KP1A 44C8 N.Manikya Rao N.Sri Lakshmi CSE 83.0 19 CSE ramyayalabolu123r@g mail.com Y.Ramya 21KP1A 44C8 Y.Anjaiah Y.Lakshmi DS 80.0 19 CSD charithareddy3914@g mail.com P.Charitha reddy 21KP1A 244C8 P.Madhava Reddy P.Kavitha DS 70.0 19 CSD gayathripolepalli70@g mail.com POLEPALLI GAYATHRI 21KP1A 24481 POLEPALL GURUBR AHMA CHARI POLEPALLI GURUBR AHMA CHARI DS 10.0 19 Data Science and AHMA CHARI syedtasleem07@gmail.com Tasleem Afroze 21KP1A 24A8 Syed Naseema AHMA CHARI DS 8.00 19 DAT AAMA CHARI sowjanyathota11@gmail.com T.SOWJAN YA 21KP1A 24A8 Tamma Raiman Raiman Raiman	Gmail NAME NUMB ER NAME NAME NAME RSE PA G E NCH SEMIS TERM vennachandanal @gma il.com Venna Chandana 21KP1A 44CS Ramanared dy Olombia Venna Lakshmidevi DS 8.00 19 Data cell cell cell cell cell cell cell cel

In [22]:

	Gmail	STUDENT NAME	ROLL NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRA NCH	SEMIS TER	UIDAI NO
1 2	shaikkarishma811@gm ail.com	shaik karishma	21KP1A 4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.00	19	ds	2-2	6630485 21599
1 5	manu952041@gmail.c om	Pachipulusu Manohar	21KP1A 4472	Pachipulus u Prasad	Pachipulusu Bhavani	MEC H	8.50	19	Data Scienc e	2-2	5593661 14423
1 6	vanukuri.raghava@gm ail.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@gm ail.com	Anusha yalabolu	21KP1A 44C7	Chinna anjayya	Lakshmi narayanama	DS	75.0 0	19	CSD	2-2	8307850 66037
2 4	thammisettysrikanthraj 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.akshay a	21KP1A 4485	Ravu.sriniv asrao	Ravu.aruna kumari	DS	80.0	19	Ds	2.2	5443057 83128
3	harikabangaram313@g mail.com	Harika	22KP5A 4401	A.Subrama nyam	A.Dhana Bhagyam	DS	75.0 0	19	Data scienc e	2-2	5749305 68520
3	bhavyasrisajja2003@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 sathyanara yana	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	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	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 NUMB ER	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@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	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	19	Data Scienc e	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@gm ail.com	Sravan Kumar	21KP1 A4488	Rama Chandra Rao	Venkatesw aramma	MEC H	7.0 0	20	mech	4	9303190 53088
3	sandeepyeruva1124@g mail.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@g mail.com	Venkata Aravind Kumar.V	21KP1 A44C0	Veeraswamy.v	Lakshmi.v	DS	0.9	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@gm ail.com	Vallu Srinu Siva Subrahma nyam	21KP1 A44C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73. 00	20	Computer Science Engineeri ng& Data Science	4	***** ****

	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 0	undelachandraobulared dy@gmail.com	Undela Chandra Obula Reddy	21KP1 A44B9	Undela Chinna Obula Reddy	Undela GuruLaksh mi	DS	9.2	20	Computer Science	2-2	6936217 80842
2 3	madhulathasure9@gm ail.com	SURE. MADHU LATHA	21KP1 A44A4	SURE.VISWA NADHAM	SURE.SAI LAKSHMI	DS	10. 00	20	Data science	2-2	7764860 62608
2 6	abdulkhadar6842@gm ail.com	Shaik.Abd ul Khadar	21KP1 A4493	Shaik.Kareem	Shaik.Farja na	ECE	8.0	20	Data Science	2-2	3347082 89154
2 9	ynagasasikumar@gmai l.com	Y Naga Sasi Kumar	21KP1 A44D0	Y Rama mohanarao	Y Lalitha	DS	9.2	20	Data Science	2-2	4481724 96292
3 8	abdulabdul22070@gm ail.com	Syed.Abd ul Rehaman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Kris hna veni	DS	90. 00	20	DS	2-2	3478535 09974
4 3	paladugudurga1@gmai l.com	P. Durga Sri	21KP1 A4473	P. Amareswara rao	P. Seshu Kumari	DS	80. 00	20	CSD(Data Science)	2-2	6921626 61608
4 4	saidashaik371@gmail. com	SHAIK SAIDA ANWAR BASHA	21KP1 A44A2	SHAIK KUDHAN VALI	SHAIK SAIDA HUSSANB I	DS	80. 00	20	DATASC IENCE	2-2	4667226 50274
4 5	mvkbn1312@gmail.co m	R.M.V.K. Brahma Naidu	21KP1 A4489	Yedukondalu	Nirmala	DS	7.0 0	20	Data science	2-2	2387 7088 9424

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

	Gmail	STUDE NT NAME	ROLL NUMBE R	FATHER NAME	MOTH ER NAME	COUR SE	CGP A	AG E	BRAN CH	SEMIST ER	UIDAI NO
2 5	shiakmobin2002@gmai l.com	Shaikmo bin	21KP1A4 497	shaik karimullah	Shaik rihana	DS	8.8	21	Ds	2.2	904355656 468
4 0	rabbanishaik7356@gma il.com	SHAIK RABBA NI	21KP1A4 499	SHAIK MOHAM MAD HANIF	SHAIK MALIN	DS	9.5	21	CSD	2-2	205933956 204
4 8	sriharshanallabothu@g mail.com	Nallaboth u. Sri Harsha	21KP1A4 469	Nallabothu. Anjaneyulu	Nallabot hu. Anitha	DS	90.0	21	CSD	2-2	208611060 176

	Gmail	STUDE NT NAME	ROLL NUMBE R	FATHER NAME	MOTH ER NAME	COUR SE	CGP A	AG E	BRAN CH	SEMIST ER	UIDAI NO
4	bhuvanstarpuli@gmail.c om	Puli bhuvanes war	21KP1A4 484	Puli mallikarjun a	Puli ramadev i	DS	8.3	21	Data science	2.2	950519207 474

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

	Gmail	STUDENT NAME	ROLL NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRANC H	SEMI STER	UIDAI NO
0	vennachandana1@gmai l.com	Venna Chandana	21KP1 A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.0 0	19	Data science	2-2	636336 922883
1	adilakshmi4765@gmail .com	N.Venkates h	21KP1 A4468	N.Manikya Rao	N.Sri Lakshmi	CSE	83. 00	19	CSE-DS	II-II	602515 258256
2	sravankumar7156@gm ail.com	Sravan Kumar	21KP1 A4488	Rama Chandra Rao	Venkateswar amma	MEC H	7.0 0	20	mech	4	930319 053088
3	sandeepyeruva1124@g mail.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.c om	B.sivaji	22kp5a 4402	B.lakshmaiah	B.veramma	DS	0.7	23	Compute r science	2-2	895444 662410
5	ramyayalabolu123r@g mail.com	Y.Ramya	21KP1 A44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80. 00	19	CSD	2-2	724574 588425
6	charithareddy3914@gm ail.com	P.charitha reddy	21KP1 A4475	P.Madhava Reddy	P.Kavitha	DS	70. 00	19	CSD	2.2	810177 524502
7	gayathripolepalli70@g mail.com	POLEPAL LI. GAYATHR I	21KP1 A4481	POLEPALLI. GURUBRAH MA CHARI	POLEPALLI .SRIDEVI	DS	10. 00	19	Data Science	2-2	721819 168061
8	syedtasleem07@gmail.	Syed Tasleem Afroze	21KP1 A44A9	Syed Rahiman	Syed Naseema	MEC H	8.0	19	DS	2-2	617020 354793
9	sowjanyathota11@gmai l.com	T.SOWJAN YA	21KP1 A44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI	DS	8.0	19	DATA SCIENC E	2-2	338666 948901
1 0	tammasahithi1@gmail. com	Tamma Sahithi	21KP1 A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.7 0	19	CSE (Data science)	2-2	685349 832128
1 1	podilisarayu6@gmail.c om	PODILI LAKSHMI SARAYU	21KP1 A4480	PODILI RAMESH	PODILI ADILAKSH MI	DS	7.5 0	19	DATA SCIENC E	2-2	458689 741091

	Gmail	STUDENT NAME	ROLL NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRANC H	SEMI STER	UIDAI NO
1 2	shaikkarishma811@gm ail.com	shaik karishma	21KP1 A4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.0 0	19	ds	2-2	663048 521599
1 3	kumarvalaparla890@g mail.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.c om	Patcha Jaswanth	21KP1 A4477	Patcha apparao	Patcha sukanya	CSE	0.9 9	20	Data science	2-2	744020 413963
1 5	manu952041@gmail.co m	Pachipulusu Manohar	21KP1 A4472	Pachipulusu Prasad	Pachipulusu Bhavani	MEC H	8.5 0	19	Data Science	2-2	559366 114423
1 6	vanukuri.raghava@gma il.com	Raghava	21KP1 A44C3	Srinivasa reddy	Jyothi	DS	7.0 0	19	Data science	2-2	424973 081348
1 7	shaiksakina05@gmail.c om	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@gm ail.com	Vallu Srinu Siva Subrahman yam	21KP1 A44C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73. 00	20	Compute r Science Engineeri ng& Data Science	4	***** ****
2 0	undelachandraobulared dy@gmail.com	Undela Chandra Obula Reddy	21KP1 A44B9	Undela Chinna Obula Reddy	Undela GuruLakshm i	DS	9.2	20	Compute r 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	19	DS	2-2	764320 730678
2 2	anushayalabolu12@gm ail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanama	DS	75. 00	19	CSD	2-2	830785 066037
2 3	madhulathasure9@gma il.com	SURE. MADHUL ATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10. 00	20	Data science	2-2	776486 062608
2 4	thammisettysrikanthraj9 @gmail.com	T.Srikanth	21KP1 A44B5	T.vasu	T.jaya	DS	0.7 5	19	Data Science	2-2	673112 205183
2 5	shiakmobin2002@gmai l.com	Shaikmobin	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8.8	21	Ds	2.2	904355 656468
2 6	abdulkhadar6842@gma il.com	Shaik.Abdu l Khadar	21KP1 A4493	Shaik.Kareem	Shaik.Farjan a	ECE	8.0	20	Data Science	2-2	334708 289154
2 7	ravuakshaya@gmail.co m	Ravu.aksha ya	21KP1 A4485	Ravu.srinivasr ao	Ravu.aruna kumari	DS	80. 00	19	Ds	2.2	544305 783128

	Gmail	STUDENT NAME	ROLL NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRANC H	SEMI STER	UIDAI NO
2 8	hemasanjushasanikom mu828@gmail.com	hema sanjusha	21KP1 A4491	musalareddy	sivaparvathi	CSE	73. 00	18	cse	2-2	422314 863763
2 9	ynagasasikumar@gmail .com	Y Naga Sasi Kumar	21KP1 A44D0	Y Rama mohanarao	Y Lalitha	DS	9.2 0	20	Data Science	2-2	448172 496292
3	rahamtunnisashaik09@ gmail.com	Shaik Rahamtunni sa	21KP1 A44A0	Shaik.mahabo objani	Shaik.munni	DS	8.0	18	Data science	2-2	406976 169351
3 1	harikabangaram313@g mail.com	Harika	22KP5 A4401	A.Subramanya m	A.Dhana Bhagyam	DS	75. 00	19	Data science	2-2	574930 568520
3 2	indupriya72216@gmail .com	Indu Priya Patcha	21KP1 A4476	Appa rao Patcha	Renuka Patcha	DS	0.7 5	18	Data Science	2-2	573041 880949
3	bhavyasrisajja2003@g mail.com	Bhavya sri	21KP1 A4490	Mohan krishna	Usha rani	DS	70. 00	19	Ds	2-2	274736 890047
3 4	sudhamshavejendla@g mail.com	Vejendla Devi Sri Sudhamsha	21KP1 A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CSE	70. 00	19	Cse- Data Science	2_2	587480 445790
3 5	bhanuthanirru@gmail.c om	Thanirru Bhanu venkata prasad	21KP1 A44B2	T sathyanarayan a	T rama devi	DS	9.6 0	19	Data Science	2-2	357228 202835
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.c om	indhu priya	21KP1 A4483	Lakshmanaray ana	Sujatha	CSE	72. 00	19	cse	2-2	524345 891620
3	abdulabdul22070@gma il.com	Syed.Abdul Rehaman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krishn a veni	DS	90. 00	20	DS	2-2	347853 509974
3	jaffershaik718@gmail.c om	Jaffer shaik	21KP1 A4495	shaik.LaiLaha	shaik.Ramja n bee	CSE	70. 00	19	cse	2nd	912229 276699
4 0	rabbanishaik7356@gm ail.com	SHAIK RABBANI	21KP1 A4499	SHAIK MOHAMMA D HANIF	SHAIK MALIN	DS	9.5 0	21	CSD	2-2	205933 956204
4 1	reshmayalamanchi@gm ail.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. Ramanjamm a	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

	Gmail	STUDENT NAME	ROLL NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRANC H	SEMI STER	UIDAI NO
4 4	saidashaik371@gmail.c om	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.co m	R.M.V.K.B rahma Naidu	21KP1 A4489	Yedukondalu	Nirmala	DS	7.0	20	Data science	2-2	2387 7088 9424
4	nrajasambasivarao@gm ail.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.co m	Sairam	21kp1a 44b4	Venkata subbiah	Ravanamma	CSE	10. 00	19	Da	2-2	746109 575146
4 8	sriharshanallabothu@g mail.com	Nallabothu. Sri Harsha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90. 00	21	CSD	2-2	208611 060176
4 9	bhuvanstarpuli@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.c om	PANDA UMA ARUNDAT HI	21KP1 A4474	PANDA NARAYANA RAO	PANDA PRASANNA LAKSHMI	DS	87. 00	19	CSD	2-2	652650 486629
5 1	chinnivignesh144@gm ail.com	chinni vignesh teja yadav	21KP1 A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80. 00	19	Data Science	4th semest er	639534 870436

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

	Gmail	STUDENT NAME	ROLL NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRANC H	SEMI STER	UIDAI NO
0	vennachandana1@gmai l.com	Venna Chandana	21KP1 A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.0 0	19	Data science	2-2	636336 922883
1	adilakshmi4765@gmail .com	N.Venkates h	21KP1 A4468	N.Manikya Rao	N.Sri Lakshmi	CSE	83. 00	19	CSE-DS	II-II	602515 258256
2	sravankumar7156@gm ail.com	Sravan Kumar	21KP1 A4488	Rama Chandra Rao	Venkateswar amma	MEC H	7.0 0	20	mech	4	930319 053088

	Gmail	STUDENT NAME	ROLL NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRANC H	SEMI STER	UIDAI NO
3	sandeepyeruva1124@g mail.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.c om	B.sivaji	22kp5a 4402	B.lakshmaiah	B.veramma	DS	0.7	23	Compute r science	2-2	895444 662410
5	ramyayalabolu123r@g mail.com	Y.Ramya	21KP1 A44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80. 00	19	CSD	2-2	724574 588425
6	charithareddy3914@gm ail.com	P.charitha reddy	21KP1 A4475	P.Madhava Reddy	P.Kavitha	DS	70. 00	19	CSD	2.2	810177 524502
7	gayathripolepalli70@g mail.com	POLEPAL LI. GAYATHR I	21KP1 A4481	POLEPALLI. GURUBRAH MA 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	19	DS	2-2	617020 354793
9	sowjanyathota11@gmai l.com	T.SOWJAN YA	21KP1 A44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI	DS	8.0	19	DATA SCIENC E	2-2	338666 948901
1 0	tammasahithi1@gmail. com	Tamma Sahithi	21KP1 A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.7 0	19	CSE (Data science)	2-2	685349 832128
1 1	podilisarayu6@gmail.c om	PODILI LAKSHMI SARAYU	21KP1 A4480	PODILI RAMESH	PODILI ADILAKSH MI	DS	7.5 0	19	DATA SCIENC E	2-2	458689 741091
1 2	shaikkarishma811@gm ail.com	shaik karishma	21KP1 A4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.0 0	19	ds	2-2	663048 521599
1 3	kumarvalaparla890@g mail.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.c om	Patcha Jaswanth	21KP1 A4477	Patcha apparao	Patcha sukanya	CSE	0.9 9	20	Data science	2-2	744020 413963
1 5	manu952041@gmail.co m	Pachipulusu Manohar	21KP1 A4472	Pachipulusu Prasad	Pachipulusu Bhavani	MEC H	8.5 0	19	Data Science	2-2	559366 114423
1 6	vanukuri.raghava@gma il.com	Raghava	21KP1 A44C3	Srinivasa reddy	Jyothi	DS	7.0 0	19	Data science	2-2	424973 081348
1 7	shaiksakina05@gmail.c om	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@gm ail.com	Vallu Srinu Siva	21KP1 A44C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73. 00	20	Compute r Science Engineeri	4	*****

			D 011								
	Gmail	STUDENT NAME	ROLL NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRANC H	SEMI STER	UIDAI NO
		Subrahman yam							ng& Data Science		
2 0	undelachandraobulared dy@gmail.com	Undela Chandra Obula Reddy	21KP1 A44B9	Undela Chinna Obula Reddy	Undela GuruLakshm i	DS	9.2	20	Compute r Science	2-2	693621 780842
2	farukh.786syed@gmail. com	SYED.FAR UKH	21KP1 A44A7	SYED.BAJI	SYED.SART HAJ BEGUM	DS	0.7	19	DS	2-2	764320 730678
2 2	anushayalabolu12@gm ail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanama	DS	75. 00	19	CSD	2-2	830785 066037
2 3	madhulathasure9@gma il.com	SURE. MADHUL ATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10. 00	20	Data science	2-2	776486 062608
2 4	thammisettysrikanthraj9 @gmail.com	T.Srikanth	21KP1 A44B5	T.vasu	T.jaya	DS	0.7 5	19	Data Science	2-2	673112 205183
2 5	shiakmobin2002@gmai l.com	Shaikmobin	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8.8	21	Ds	2.2	904355 656468
2 6	abdulkhadar6842@gma il.com	Shaik.Abdu l Khadar	21KP1 A4493	Shaik.Kareem	Shaik.Farjan a	ECE	8.0	20	Data Science	2-2	334708 289154
2 7	ravuakshaya@gmail.co m	Ravu.aksha ya	21KP1 A4485	Ravu.srinivasr ao	Ravu.aruna kumari	DS	80. 00	19	Ds	2.2	544305 783128
2 8	hemasanjushasanikom mu828@gmail.com	hema sanjusha	21KP1 A4491	musalareddy	sivaparvathi	CSE	73. 00	18	cse	2-2	422314 863763
2 9	ynagasasikumar@gmail .com	Y Naga Sasi Kumar	21KP1 A44D0	Y Rama mohanarao	Y Lalitha	DS	9.2 0	20	Data Science	2-2	448172 496292
3 0	rahamtunnisashaik09@ gmail.com	Shaik Rahamtunni sa	21KP1 A44A0	Shaik.mahabo objani	Shaik.munni	DS	8.0	18	Data science	2-2	406976 169351
3	harikabangaram313@g mail.com	Harika	22KP5 A4401	A.Subramanya m	A.Dhana Bhagyam	DS	75. 00	19	Data science	2-2	574930 568520
3 2	indupriya72216@gmail .com	Indu Priya Patcha	21KP1 A4476	Appa rao Patcha	Renuka Patcha	DS	0.7 5	18	Data Science	2-2	573041 880949
3	bhavyasrisajja2003@g mail.com	Bhavya sri	21KP1 A4490	Mohan krishna	Usha rani	DS	70. 00	19	Ds	2-2	274736 890047
3 4	sudhamshavejendla@g mail.com	Vejendla Devi Sri Sudhamsha	21KP1 A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CSE	70. 00	19	Cse- Data Science	2_2	587480 445790
3 5	bhanuthanirru@gmail.c om	Thanirru Bhanu venkata prasad	21KP1 A44B2	T sathyanarayan a	T rama devi	DS	9.6 0	19	Data Science	2-2	357228 202835

	Gmail	STUDENT NAME	ROLL NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	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.c om	indhu priya	21KP1 A4483	Lakshmanaray ana	Sujatha	CSE	72. 00	19	cse	2-2	524345 891620
3 8	abdulabdul22070@gma il.com	Syed.Abdul Rehaman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krishn a veni	DS	90. 00	20	DS	2-2	347853 509974
3 9	jaffershaik718@gmail.c om	Jaffer shaik	21KP1 A4495	shaik.LaiLaha	shaik.Ramja n bee	CSE	70. 00	19	cse	2nd	912229 276699
4	rabbanishaik7356@gm ail.com	SHAIK RABBANI	21KP1 A4499	SHAIK MOHAMMA D HANIF	SHAIK MALIN	DS	9.5 0	21	CSD	2-2	205933 956204
4 1	reshmayalamanchi@gm ail.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. Ramanjamm a	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.c om	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.co m	R.M.V.K.B rahma Naidu	21KP1 A4489	Yedukondalu	Nirmala	DS	7.0	20	Data science	2-2	2387 7088 9424
4 6	nrajasambasivarao@gm ail.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.co m	Sairam	21kp1a 44b4	Venkata subbiah	Ravanamma	CSE	10. 00	19	Da	2-2	746109 575146
4 8	sriharshanallabothu@g mail.com	Nallabothu. Sri Harsha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90. 00	21	CSD	2-2	208611 060176
4 9	bhuvanstarpuli@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.c om	PANDA UMA ARUNDAT HI	21KP1 A4474	PANDA NARAYANA RAO	PANDA PRASANNA LAKSHMI	DS	87. 00	19	CSD	2-2	652650 486629
5 1	chinnivignesh144@gm ail.com	chinni vignesh teja yadav	21KP1 A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80. 00	19	Data Science	4th semest er	639534 870436

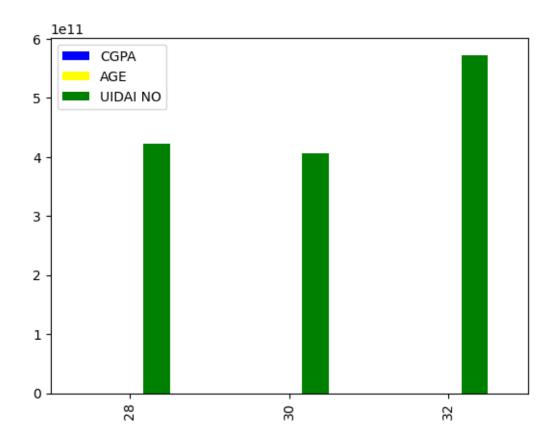
 $df4{=}Data.groupby('AGE').get_group(18)\\df4$

	Gmail	STUDE NT NAME	ROLL NUMBE R	FATHER NAME	MOTH ER NAME	COU RSE	CG PA	A GE	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	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

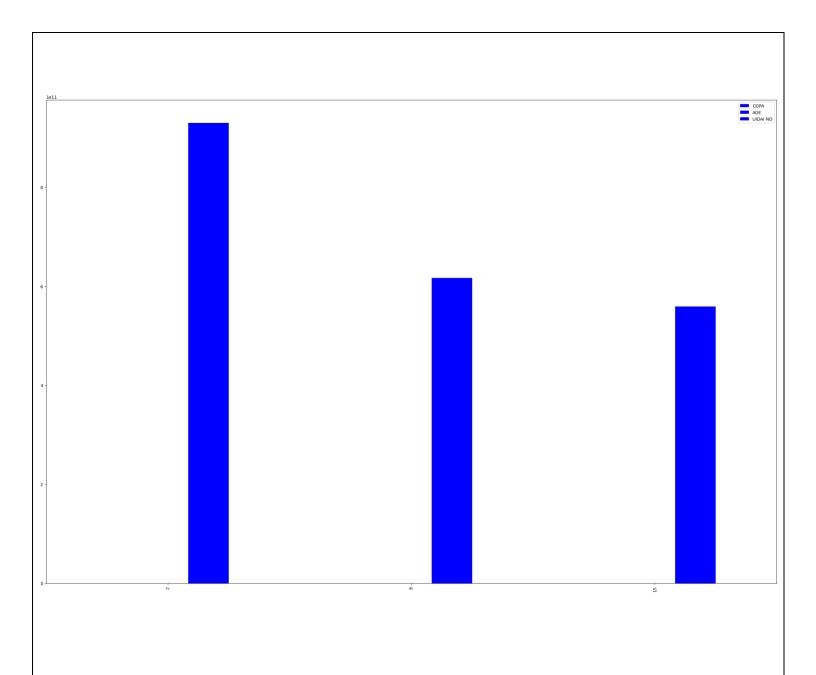
	Gmail	STUDE NT NAME	ROLL NUMBE R	FATHER NAME	MOTH ER NAME	COU RSE	CG PA	A GE	BRAN CH	SEMIS TER	UIDAI NO
2 8	hemasanjushasanikommu82 8@gmail.com	hema sanjusha	21KP1A 4491	musalareddy	sivaparv athi	CSE	73.0 0	18	cse	2-2	42231486 3763
3 0	rahamtunnisashaik09@gmai l.com	Shaik Rahamtu nnisa	21KP1A 44A0	Shaik.mahab 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

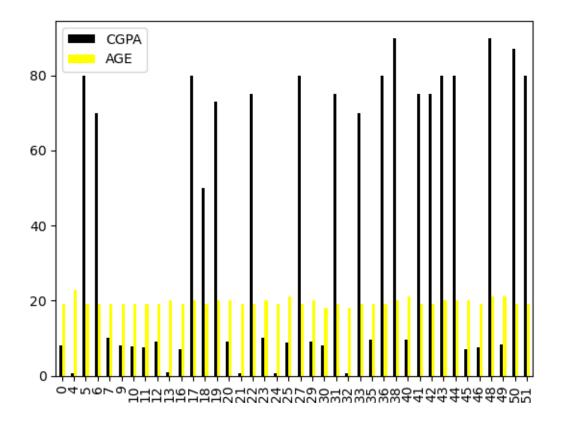
df2.plot.bar(color=['blue'],figsize=(30,20))



Displaying the CGPA and age of students

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

<Axes: >



df5

	Gmail	STUDENT NAME	ROLL NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRA NCH	SEMIS TER	UIDAI NO
0	vennachandana1@gma il.com	Venna Chandana	21KP1A 44C5	Venna Ramanared dy	Venna Lakshmidevi	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	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	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 NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRA NCH	SEMIS TER	UIDAI NO
9	sowjanyathota11@gma il.com	T.SOWJAN YA	21KP1A 44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI	DS	8.00	19	DAT A SCIE NCE	2-2	3386669 48901
1 0	tammasahithi1@gmail. com	Tamma Sahithi	21KP1A 44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.70	19	CSE (Data scienc e)	2-2	6853498 32128
1 1	podilisarayu6@gmail.c om	PODILI LAKSHMIS ARAYU	21KP1A 4480	PODILI RAMESH	PODILI ADILAKSHM I	DS	7.50	19	DAT A SCIE NCE	2-2	4586897 41091
1 2	shaikkarishma811@gm ail.com	shaik karishma	21KP1A 4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.00	19	ds	2-2	6630485 21599
1 5	manu952041@gmail.c om	Pachipulusu Manohar	21KP1A 4472	Pachipulus u Prasad	Pachipulusu Bhavani	MEC H	8.50	19	Data Scienc e	2-2	5593661 14423
1 6	vanukuri.raghava@gm ail.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	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@gm ail.com	Anusha yalabolu	21KP1A 44C7	Chinna anjayya	Lakshmi narayanama	DS	75.0 0	19	CSD	2-2	8307850 66037
2 4	thammisettysrikanthraj 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.akshay a	21KP1A 4485	Ravu.sriniv asrao	Ravu.aruna kumari	DS	80.0	19	Ds	2.2	5443057 83128
3	harikabangaram313@g mail.com	Harika	22KP5A 4401	A.Subrama nyam	A.Dhana Bhagyam	DS	75.0 0	19	Data scienc e	2-2	5749305 68520
3 3	bhavyasrisajja2003@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 sathyanara yana	T rama devi	DS	9.60	19	Data Scienc e	2-2	3572282 02835

	Gmail	STUDENT NAME	ROLL NUMB ER	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 hanumathr ao	Rayapati malleswari	DS	80.0	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	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@ gmail.com	T. Nagajyothi	21KP1A 44B7	T. Venkayya	T. Ramanjamma	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	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	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

72

```
83.00 1

9.00 1

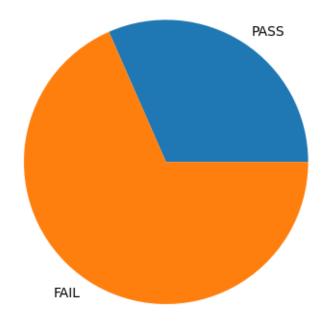
7.70 1

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()
```

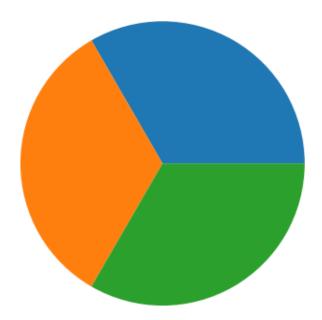


df11=df4.CGPA.value_counts ()df11

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 2 Data science Computer science 1 CSE (Data science) 1 ds Computer Science Engineering& Data Science 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 colleges.