

A PROJECT
On
STUDENT DATABASE ANALYSIS USING PYTHON

BACHELOR OF TECHNOLOGY

By

DEPARTMENT OF DATA SCIENCE

VIGNESH TEJA YADAV CHINNI

21KP1A44C6

Under the esteemed Guidance of

Er. S AKSHAY KUMAR

CS CODENZ



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GUDIVADA – 521 323, ANDHRA PRADESH., INDIA

2022-2023

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CERTIFICATE

This is to certify that dissertation entitled “**STUDENT DATABASE ANALYSIS**” submitted by **VIGNESH TEJA YADAV CHINNI (21KP1A44C6)** 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 **VIGNESH TEJA YADAV CHINNI(21KP1A44C6)** 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

21KP1A44C6

VIGNESH TEJA
YADAV CHINNI

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

Table Of Contents

Abstract	8
Requirements	9
Description	10
Coding	11
Result.....	17
Output.....	27
Summary	75

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
dtype: object
```

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

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

MATPLOTLIB-

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

```
import matplotlib.pyplot as plt
```

```
# Sample data
```

```
x = [1, 2, 3, 4, 5]
```

```
y = [2, 3, 5, 7, 11]
```

```
# Create a plot
```

```
plt.plot(x, y)
```

```
# Add title and labels
```

```
plt.title('Simple Line Plot')
```

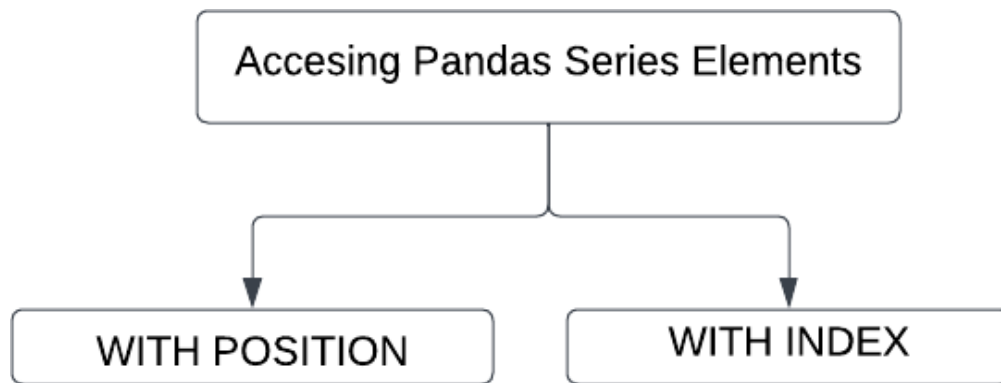
```
plt.xlabel('X-axis')
```

```
plt.ylabel('Y-axis')
```

```
# Display the plot
```

```
plt.show()
```

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



ACCESSING WITH POSITION-

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

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

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

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

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

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

ACCESSING WITH INDEX-

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

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

DATAFRAME

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

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

CREATING A DATASET-

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

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

Creating data set using list-

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

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

Creating data set using Dict-

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

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

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

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

Creating dataset using Series

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

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

CREATION OF DATASET-

Data set example

Email address	STUDENT NAME	ROLL NUMBER	FATHER NAME
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adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468	N.Manikya Rao
sravankumar7156@gmail.com	Sravan Kumar	21KP1A4488	Rama Chandra Rao
sandeepyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1A44D1	Yeruva Ajay Kumar reddy
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shaiksakina05@gmail.com	Pachipulusu	21KP1A44A3	Shaik Rahim babu
us465249@gmail.com	Manohar	21KP1A4492	S sk mastan vali
	Raghava		
	Shaik sameer		
	S sk usman		

```
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
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10	2023-06-13	14:28:10.559	tammasahithil@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.com
21	2023-06-13	14:32:17.269	farukh.786syed@gmail.com
22	2023-06-13	14:33:08.038	anushayalabolul2@gmail.com
23	2023-06-13	14:33:16.147	madhulathasure9@gmail.com
24	2023-06-13	14:34:00.504	thammisettysrikanthraj9@gmail.com
25	2023-06-13	14:34:24.599	shiakmobin2002@gmail.com
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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	abdulabdu122070@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
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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
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4	B.sivaji	22kp5a4402	B.lakshmaiah
5	Y.Ramya	21KP1A44C8	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

11	PODILI LAKSHMISARAYU	21KP1A4480	PODILI RAMESH
12	shaik karishma	21KP1A4496	SHAIK BAJI
13	Venkata Aravind Kumar.V	21KP1A44C0	Veeraswamy.v
14	Patcha Jaswanth	21KP1A4477	Patcha apparao
15	Pachipulusu Manohar	21KP1A4472	Pachipulusu Prasad
16	Raghava	21KP1A44C3	Srinivasa reddy
17	Shaik sameer	21KP1A44A3	Shaik Rahim babu
18	S sk usman	21KP1A4492	S sk mastan vali
19	Vallu Srinu Siva Subrahmanyam	21KP1A44C1	Vallu Srinivasa Rao
20	Undela Chandra Obula Reddy	21KP1A44B9	Undela Chinna Obula Reddy
21	SYED.FARUKH	21KP1A44A7	SYED.BAJI
22	Anusha yalabolu	21KP1A44C7	Chinna anjayya
23	SURE. MADHULATHA	21KP1A44A4	SURE.VISWANADHAM
24	T.Srikanth	21KP1A44B5	T.vasu
25	Shaikmabin	21KP1A4497	shaik karimullah
26	Shaik.Abdul Khadar	21KP1A4493	Shaik.Kareem
27	Ravu.akshaya	21KP1A4485	Ravu.srinivasrao
28	hema sanjusha	21KP1A4491	musalareddy
29	Y Naga Sasi Kumar	21KP1A44D0	Y Rama mohanarao
30	Shaik Rahamtunnisa	21KP1A44A0	Shaik.mahaboobjani
31	Harika	22KP5A4401	A.Subramanyam
32	Indu Priya Patcha	21KP1A4476	Appa rao Patcha
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36	Nikhitha Rayapati	21KP1A4487	Rayapati hanumathrao
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39	Jaffer shaik	21KP1A4495	shaik.LaiLaha
40	SHAIK RABBANI	21KP1A4499	SHAIK MOHAMMAD HANIF
41	Reshma yalamanchi	21KP1A44C9	Yalamanchi subba Rao
42	T. Nagajyothi	21KP1A44B7	T. Venkayya
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44	SHAIK SAIDA ANWAR BASHA	21KP1A44A2	SHAIK KUDHAN VALI
45	R.M.V.K.Brahma Naidu	21KP1A4489	Yedukondalu
46	Narra Raja Samba Siva Rao	21KP1A4471	Narra SrinivasaRao
47	Sairam	21kpla44b4	Venkata subbiah
48	Nallabothu. Sri Harsha	21KP1A4469	Nallabothu. Anjaneyulu
49	Puli bhuvaneswar	21KP1A4484	Puli mallikarjuna
50	PANDA UMA ARUNDATHI	21KP1A4474	PANDA NARAYANA RAO
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2	Venkateswaramma	MECH	7	20	
3	Yeruva Anjali Devi	CSE	9.5	20	
4	B.veramma	DS	0.72	23	
5	Y Lakshmi Rajyam	DS	80	19	
6	P.Kavitha	DS	70	19	
7	POLEPALLI.SRIDEVI	DS	10	19	
8	Syed Naseema	MECH	8	19	
9	T.ARUNA KUMARI	DS	8	19	
10	Tamma Padmavathi	DS	7.7	19	
11	PODILI ADILAKSHMI	DS	7.5	19	
12	SHAIK KHADRUN	DS	9	19	
13	Lakshmi.v	DS	0.98	20	
14	Patcha sukanya	CSE	0.99	20	

15	Pachipulusu Bhavani	MECH	8.5	19
16	Jyothi	DS	7	19
17	Shaik Raziya	DS	80	20
18	Mahabobba	DS	50	19
19	Vallu Surya kumari	DS	73	20
20	Undela GuruLakshmi	DS	9.2	20
21	SYED.SARTHAJ BEGUM	DS	0.7	19
22	Lakshmi narayanama	DS	75	19
23	SURE.SAI LAKSHMI	DS	10	20
24	T.jaya	DS	0.75	19
25	Shaik rihana	DS	8.8	21
26	Shaik.Farjana	ECE	8	20
27	Ravu.aruna kumari	DS	80	19
28	sivaparvathi	CSE	73	18h
29	Y Lalitha	DS	9.2	20
30	Shaik.munni	DS	8	18
31	A.Dhana Bhagyam	DS	75	19
32	Renuka Patcha	DS	0.75	18
33	Usha rani	DS	70	19
34	Vejendla Laxmi Prasanna	CSE	70	19
35	T rama devi	DS	9.6	19
36	Rayapati mallewari	DS	80	19
37	Sujatha	CSE	72	19
38	Bandi.Krishna veni	DS	90	20
39	shaik.Ramjan bee	CSE	70	19
40	SHAIK MALIN	DS	9.5	21
41	Yalamanchi sunitha	DS	75	19
42	T. Ramanjamma	DS	75	19
43	P. Seshu Kumari	DS	80	20
44	SHAIK SAIDA HUSSANBI	DS	80	20
45	Nirmala	DS	7	20
46	Narra Ramadevi	DS	7.5	19
47	Ravanamma	CSE	10	19
48	Nallabothu. Anitha	DS	90	21
49	Puli ramadevi	DS	8.3	21
50	PANDA PRASANNA LAKSHMI	DS	87	19
51	Chinni Bhargavi	DS	80	19

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10	tammasahithi1@gmail.com
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 25 mobinsk9966@gmail.com
 26 abdulkhadar6842@gmail.com
 27 ravuakshaya@gmail.com
 28 hemasanjushasanikommu828@gmail.com
 29 ynagasasikumar@gmail.com
 30 rahamtunnisashaik09@gmail.com
 31 harikaavala5@gmail.com
 32 indupriya72216@gmail.com
 33 bhavyasrisajja2003@gmail.com
 34 sudhamshavejendla@gmail.com
 35 bhanuthanirru@gmail.com
 36 nikitharayapati9@gmail.com
 37 indhupotla123@gmail.com
 38 abdulabdul22070@gmail.com
 39 jaffershaik718@gmail.com
 40 rabbanishaik7356@gmail.com
 41 reshmayalamanchi@gmail.com
 42 thiriveedhinagajyothi@gmail.com
 43 paladugudurga1@gmail.com
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 45 mvkbn1312@gmail.com
 46 nrajasambasivarao@gmail.com
 47 saisairam068@gmail.com
 48 Sriharshanallabothu@gmail.com
 49 bhuvanstarpuli@gmail.com
 50 arundathi0508@gmail.com
 51 chinnivignesh144@gmail.com

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

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

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

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

PREPROCESSING THE DATA

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

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

```
RangeIndex: 52 entries, 0 to 51
```

```
Data columns (total 13 columns):
```

#	Column	Non-Null Count	Dtype
0	Timestamp	52 non-null	datetime64[ns]
1	Email address	52 non-null	object
2	STUDENT NAME	52 non-null	object
3	ROLL NUMBER	52 non-null	object
4	FATHER NAME	52 non-null	object
5	MOTHER NAME	52 non-null	object
6	COURSE	52 non-null	object
7	CGPA	52 non-null	object
8	AGE	52 non-null	object
9	EMAIL	52 non-null	object
10	BRANCH	48 non-null	object
11	CURRENT SEMISTER	52 non-null	object
12	AADHAAR NO	52 non-null	object

```
dtypes: datetime64[ns](1), object(12)
```

```
memory usage: 5.4+ KB
```

	Timestamp	Email address	STUDENT NAME	ROLL NUMBER	FATHER NAME	\
0	True	True	True	True	True	
1	True	True	True	True	True	
2	True	True	True	True	True	
3	True	True	True	True	True	
4	True	True	True	True	True	
5	True	True	True	True	True	
6	True	True	True	True	True	
7	True	True	True	True	True	
8	True	True	True	True	True	
9	True	True	True	True	True	
10	True	True	True	True	True	
11	True	True	True	True	True	
12	True	True	True	True	True	
13	True	True	True	True	True	
14	True	True	True	True	True	
15	True	True	True	True	True	
16	True	True	True	True	True	

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

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

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

AADHAAR NO

0	True
1	True
2	True
3	True
4	True

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

Out[3]:

Time stamp	Email address	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	C G P A	A G E	EMAIL	BRANCH	CURRENT SEMESTER	AADHAR NO
0 2023-06-13 14:24:58.772	vennachandana1@gmail.com	Venna Chandana	21KP1A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8	19	vennachandana1@gmail.com	Data science	2-2	636336922883
1 2023-06-13 14:25:15.609	adilakshmi4765@gmail.com	N.Venkaatesh	21KP1A4468	N.Manikya Rao	N.Sri Lakshmi	CS E	83	19	adilakshmi4765@gmail.com	CSE-DS	II-II	602515258256
2 2023-06-13 14:25:50.957	sravankumar7156@gmail.com	Sravan Kumar	21KP1A4488	Rama Chandra Rao	Venkateswaramma	Mech	7	20	sravankumar7156@gmail.com	mech	4	930319053088
3 2023-06-13 14:26:01.824	sandeepyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1A44D1	Yeruva Ajay Kumar reddy	Yeruva Anjali Devi	CS E	95	20	sandeepyeruva1124@gmail.com	CSE	2-3	576154990146
4 2023-06-13 14:26:13.848	sivajibejjanki@gmail.com	B.sivaji	22kp5a4402	B.lakshmaiah	B.veramma	DS	072	23	sivajibejjanki@gmail.com	Computer science	2-2	895444662410
5 2023-06-13 14:26:23.424	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80	19	ramyayalabolu123r@gmail.com	CSD	2-2	724574588425
6 2023-06-13 14:27:05.330	charithareddy3914@gmail.com	P.charitha reddy	21KP1A4475	P.Madhava Reddy	P.Kavitha	DS	70	19	charithareddy3914@gmail.com	CSD	2.2	810177524502
7 2023-06-13 14:27:16.973	gayathripolepalli70@gmail.com	POLEPALLI. GAYATHRI	21KP1A4481	POLEPALLI. GURUBRAHMA CHARI	POLEPALLI.SRI DEVI	DS	10	19	gayathripolepalli70@gmail.com	Data Science	2-2	721819168061

Time stamp	Email address	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	C G P A	A G E	EMAIL	BRANCH	CURRENT SEMESTER	AADHAR NO
8 2023-06-13 14:27:41.072	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1A44A9	Syed Rahiman	Syed Naseema	MECH	8	19	syedtasleem07@gmail.com	DS	2-2	617020354793
9 2023-06-13 14:28:10.012	sowjanyaathota11@gmail.com	T.SOWJANYA	21KP1A44B6	T.SAMBASIVARAO	T.ARUNA KUMARI	DS	8	19	sowjanyaathota11@gmail.com	DATA SCIENCE	2-2	338666948901
10 2023-06-13 14:28:10.559	tammasahithi1@gmail.com	Tamma Sahithi	21KP1A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.7	19	tammasahithi1@gmail.com	CSE (Data science)	2-2	685349832128
11 2023-06-13 14:28:34.026	podilisarayu6@gmail.com	PODILILAKSHMISARAYU	21KP1A4480	PODILIRAMESH	PODILILAKSHMI	DS	7.5	19	Podilisarayu6@gmail.com	DATA SCIENCE	2-2	458689741091
12 2023-06-13 14:28:43.092	shaikkarishma811@gmail.com	shaik karishma	21KP1A4496	SHAIKBAJI	SHAIKKHADRUN	DS	9	19	shaikkarishma811@gmail.com	ds	2-2	663048521599
13 2023-06-13 14:28:57.412	kumarvalaparla890@gmail.com	Venkata Aravind Kumar. V	21KP1A44C0	Veeraswamy.v	Lakshmi.v	DS	0.98	20	Kumarvalaparla890@gmail.com	Data Science	2-2	510305345824
14 2023-06-13 14:30:05.091	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1A4477	Patcha apparao	Patcha sukanya	CSE	0.99	20	Patchachinnu@gmail.com	Data science	2-2	744020413963
15 2023-06-13 14:30:05.577	manu952041@gmail.com	Pachipulusu Manohar	21KP1A4472	Pachipulusu Prasad	Pachipulusu Bhavani	MECH	8.5	19	manu952041@gmail.com	NaN	2-2	559366114423

Time stamp	Email address	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	C G P A	A G E	EMAIL	BRANCH	CURRENT SEMESTER	AADHAR NO
16 2023-06-13 14:30:07.913	vanukuri.raghava@gmail.com	Raghava	21KP1A44C3	Srinivasa reddy	Jyothi	DS	7	19	vanukuri.raghava@gmail.com	Data science	2-2	424973081348
17 2023-06-13 14:30:57.744	shaiksakina05@gmail.com	Shaik sameer	21KP1A44A3	Shaik Rahim babu	Shaik Raziya	DS	80	20	Shaiksakina05@gmail.com	DS	2-2	529261464345
18 2023-06-13 14:33:16.842	us465249@gmail.com	S sk usman	21KP1A4492	S sk mastan vali	Mahabob ba	DS	50	19	us465249@gmail.com	DS	2-2	568753875709
19 2023-06-13 14:36:46.844	vallu.srinu756939@gmail.com	Vallu Srinu Siva Subrahmanyam	21KP1A44C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73	20	vallu.srinu756939@gmail.com	Computer Science Engineering & Data Science	4	***** ***** **
20 2023-06-13 14:34:05.142	undelachandraobulareddy@gmail.com	Undela Chandra Obula Reddy	21KP1A44B9	Undela Chinna Obula Reddy	Undela GuruLakshmi	DS	92	20	undelachandraobulareddy@gmail.com	Computer Science	2-2	693621780842
21 2023-06-13 14:32:17.269	farukh.786syed@gmail.com	SYED.F ARUKH	21KP1A44A7	SYED.BA JI	SYED.S ARTHAJ BEGUM	DS	07	19	farukh.786syed@gmail.com	DS	2-2	764320730678
22 2023-06-13 14:33:08.038	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1A44C7	Chinna anjayya	Lakshmi narayana ma	DS	75	19	anushayalabolu12@gmail.com	CSD	2-2	830785066037
23 2023-06-13 14:33:16.147	madhulathasure9@gmail.com	SURE.MADHULATHA	21KP1A44A4	SURE.VISWANADHAM	SURE.SAI LAKSHMI	DS	10	20	madhulathasure9@gmail.com	Data science	2-2	776486062608

Time stamp	Email address	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	EMAIL	BRANCH	CURRENT SEMESTER	AADHAR NO
2023-06-13 14:34:00.504 24	thammisettysrikanthraj9@gmail.com	T.Srikanth	21KP1A44B5	T.vasu	T.jaya	DS	0.75	19	thammisettysrikanthraj9@gmail.com	Data Science	2-2	673112205183
2023-06-13 14:34:24.599 25	shiakmobin2002@gmail.com	Shaikmobin	21KP1A4497	shaik karimullah	Shaik rihana	DS	8.8	21	mobinsk9966@gmail.com	Ds	2.2	904355656468
2023-06-13 14:34:24.985 26	abdulkhadar6842@gmail.com	Shaik.Abdul Khadar	21KP1A4493	Shaik.Kareem	Shaik.Farjana	ECE	8	20	abdulkhadar6842@gmail.com	NaN	2-2	334708289154
2023-06-13 14:34:31.602 27	ravuakshaya@gmail.com	Ravu.akshaya	21KP1A4485	Ravu.srinivasrao	Ravu.aruna kumari	DS	80	19	ravuakshaya@gmail.com	Ds	2.2	544305783128
2023-06-13 14:34:41.989 28	hemasanjushanikommu828@gmail.com	hemasanjusha	21KP1A4491	musalaredy	sivaparvathi	CSE	73	18h	hemasanjushanikommu828@gmail.com	cse	2-2	422314863763
2023-06-13 14:34:52.277 29	ynagasasikumar@gmail.com	Y Naga Sasi Kumar	21KP1A44D0	Y Ramamohanarao	Y Lalitha	DS	9.2	20	ynagasasikumar@gmail.com	NaN	2-2	448172496292
2023-06-13 14:35:26.194 30	rahamtunnisashaik09@gmail.com	Shaik Rahamtunnisa	21KP1A44A0	Shaik.mahaboobjani	Shaik.munni	DS	8	18	rahamtunnisashaik09@gmail.com	Data science	2-2	406976169351
2023-06-13 14:37:08.022 31	harikabangaram313@gmail.com	Harika	22KP5A4401	A.Subramanyam	A.Dhana Bhagyam	DS	75	19	harikaavala5@gmail.com	Data science	2-2	574930568520

Time stamp	Email address	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	EMAIL	BRANCH	CURRENT SEMESTER	AADHAR NO
32 2023-06-13 14:37:44.545	indupriya72216@gmail.com	Indu Priya Patcha	21KP1A4476	Appa rao Patcha	Renuka Patcha	DS	0.75	18	indupriya72216@gmail.com	Data Science	2-2	573041880949
33 2023-06-13 14:37:53.042	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1A4490	Mohan krishna	Usha rani	DS	70	19	bhavyasrisajja2003@gmail.com	Ds	2-2	274736890047
34 2023-06-13 14:38:20.561	sudhamshavejendra@gmail.com	Vejendla Devi Sri Sudhamsha	21KP1A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CSE	70	19	sudhamshavejendra@gmail.com	Cse-Data Science	2_2	587480445790
35 2023-06-13 14:39:17.885	bhanuthanirru@gmail.com	Thanirru Bhanu venkata prasad	21KP1A44B2	T sathyanarayana	T rama devi	DS	9.6	19	bhanuthanirru@gmail.com	NaN	2-2	357228202835
36 2023-06-13 14:40:04.869	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80	19	nikitharayapati9@gmail.com	Ds	2-2	963360828294
37 2023-06-13 14:44:05.463	indhupotla123@gmail.com	indhu priya	21KP1A4483	Lakshman arayana	Sujatha	CSE	72	19	indhupotla123@gmail.com	cse	2-2	524345891620
38 2023-06-13 14:44:45.168	abdulabdul22070@gmail.com	Syed.Abdul Rehama n	21KP1A44A6	Syed.Meera Sharif	Bandi.Krishna veni	DS	90	20	abdulabdul22070@gmail.com	DS	2-2	347853509974
39 2023-06-13 14:45:56.606	jaffershaik718@gmail.com	Jaffer shaik	21KP1A4495	shaik.LaiLaha	shaik.Ramjan bee	CSE	70	19	jaffershaik718@gmail.com	cse	2nd	912229276699

Time stamp	Email address	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	EMAIL	BRANCH	CURRENT SEMESTER	AADHAR NO	
40	2023-06-13 14:50:28.282	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1A4499	SHAIK MOHAMMAD HANIF	SHAIK MALIN	DS	9.5	21	rabbanishaik7356@gmail.com	CSD	2-2	205933956204
41	2023-06-13 15:01:15.615	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1A44C9	Yalamanchi subba Rao	Yalamanchi sunitha	DS	75	19	reshmayalamanchi@gmail.com	DS	4	742366316353
42	2023-06-13 15:04:23.806	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1A44B7	T. Venkayya	T. Ramanjamma	DS	75	19	thiriveedhinagajyothi@gmail.com	DS	4	330477145525
43	2023-06-13 15:16:34.142	paladugudurga1@gmail.com	P. Durga Sri	21KP1A4473	P. Amareswara rao	P. Seshu Kumari	DS	80	20	paladugudurga1@gmail.com	CSD(Data Science)	2-2	692162661608
44	2023-06-13 17:37:00.290	saidashaik371@gmail.com	SHAIK SAIDANWAR BASHA	21KP1A44A2	SHAIK KUDHANVALI	SHAIK SAIDAHUSSANBI	DS	80	20	Saidashaik371@gmail.com	DATA SCIENCE	2-2	466722650274
45	2023-06-13 20:39:54.489	mvkbn1312@gmail.com	R.M.V. K.Brahma Naidu	21KP1A4489	Yedukondalu	Nirmala	DS	7	20	mvkbn1312@gmail.com	Data science	2-2	238770889424
46	2023-06-13 20:49:03.330	nrajasambasivarao@gmail.com	Narra Raja Samba Siva Rao	21KP1A4471	Narra Srinivasa Rao	Narra Ramadevi	DS	7.5	19	nrajasambasivarao@gmail.com	CSD (Data science)	4	835457902826
47	2023-06-14 09:22:24.620	saisairam068@gmail.com	Sairam	21kp1a44b4	Venkata subbiah	Ravanamma	CS E	10	19	saisairam068@gmail.com	Da	2-2	746109575146

Time stamp	Email address	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	EMAIL	BRANCH	CURRENT SEMESTER	AADHAAR NO	
48	2023-06-14 09:34:41.202	sriharshanallabot hu@gmail.com	Nallabot hu. Sri Harsha	21KP1A4469	Nallabothu . Anjaneyulu	Nallabothu. Anitha	DS	90	21	Sriharshanallabot hu@gmail.com	CSD	2-2	208611060176
49	2023-06-14 09:37:41.272	bhuvanstarpuli@gmail.com	Puli bhuvane swar	21KP1A4484	Puli mallikarjuna	Puli ramadevi	DS	8.3	21	bhuvanstarpuli@gmail.com	Data science	2.2	950519207474
50	2023-06-14 09:37:48.696	arundathi0508@gmail.com	PANDA UMA ARUNDATHI	21KP1A4474	PANDA NARAYANA RAO	PANDA PRASANA LAKSHMI	DS	87	19	arundathi0508@gmail.com	CSD	2-2	652650486629
51	2023-06-14 09:38:10.231	chinnivignesh144@gmail.com	chinnivignesh teja yadav	21KP1A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80	19	chinnivignesh144@gmail.com	Data Science	4th semester	639534870436

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

```
Email address      0
STUDENT NAME      0
ROLL NUMBER       0
FATHER NAME       0
MOTHER NAME       0
COURSE            0
CGPA              0
AGE               0
BRANCH            4
CURRENT SEMISTER  0
AADHAAR NO        0
dtype: int64
```



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

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

```
Data.shape
```

```
(52, 11)
```

```
Data.columns
```

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

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

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

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

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

```

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

```

```

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

```

G ma il	STUDENT NAME	ROLL NUMBER	FATH ER NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UID AI NO	
0	vennachandana1@gmail.com	Venna Chandana	21KP1 A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.00	19	Data science	2-2	636336 922883
1	adilakshmi4765@gmail.com	N.Venkaresh	21KP1 A4468	N.Manikya Rao	N.Sri Lakshmi	CS E	83.00	19	CSE-DS	II-II	602515 258256
2	sravankumar7156@gmail.com	Sravan Kumar	21KP1 A4488	Rama Chandra Rao	Venkateswaramma	ME CH	7.00	20	mech	4	930319 053088
3	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
4	sivajibejjanki@gmail.com	B.sivaji	22kp5a 4402	B.lakshmaiah	B.veramma	DS	0.72	23	Computer science	2-2	895444 662410
5	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1 A44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80.00	19	CSD	2-2	724574 588425
6	charithareddy3914@gmail.com	P.charitha reddy	21KP1 A4475	P.Madhava Reddy	P.Kavitha	DS	70.00	19	CSD	2.2	810177 524502

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	
7	gayathripolepalli70@gmail.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	sowjanya11@gmail.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	podilisaray6@gmail.com	PODILI LAKSHMI SARAYU	21KP1 A4480	PODILI RAMESH	PODILI ADILAKSH MI	DS	7. 50	19	DATA SCIENC E	2-2	458689 741091
12	shaikkarishma811@gmail.com	shaik karishma	21KP1 A4496	SHAIK BAJI	SHAIK KHADRUN	DS	9. 00	19	ds	2-2	663048 521599
13	kumarvalaparla890@gmail.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.com	Pachipulu su Manohar	21KP1 A4472	Pachipulusu Prasad	Pachipulus u Bhavani	ME CH	8. 50	19	Data Science	2-2	559366 114423
16	vanukuri.raghava@gmail.com	Raghava	21KP1 A44C3	Srinivasa reddy	Jyothi	DS	7. 00	19	Data science	2-2	424973 081348
17	shaiksakina05@gmail.com	Shaik sameer	21KP1 A44A3	Shaik Rahim babu	Shaik Raziya	DS	80 .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@gmail.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	undelachandraobularedy@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

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	
21	farukh.786syed@gmail.com	SYED.FA RUKH	21KP1 A44A7	SYED.BAJI	SYED.SAR THAJ BEGUM	DS	0. 70	19	DS	2-2	764320 730678
22	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanam a	DS	75 .0 0	19	CSD	2-2	830785 066037
23	madhulathasure9@gmail.com	SURE. MADHUL ATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10 .0 0	20	Data science	2-2	776486 062608
24	thammisettySrikanthraj9@gmail.com	T.Srikanth	21KP1 A44B5	T.vasu	T.jaya	DS	0. 75	19	Data Science	2-2	673112 205183
25	shiakmobin2002@gmail.com	Shaikmob in	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8. 80	21	Ds	2.2	904355 656468
26	abdulkhadar6842@gmail.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.com	Ravu.aks haya	21KP1 A4485	Ravu.sriniva srao	Ravu.aruna kumari	DS	80 .0 0	19	Ds	2.2	544305 783128
28	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1 A4491	musalareddy	sivaparvath i	CS E	73 .0 0	18h	cse	2-2	422314 863763
29	ynagasasikumar@gmail.com	Y Naga Sasi Kumar	21KP1 A44D0	Y Rama mohanarao	Y Lalitha	DS	9. 20	20	Data Science	2-2	448172 496292
30	rahamtunnisashaik09@gmail.com	Shaik 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@gmail.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@gmail.com	Nikhitha Rayapati	21KP1 A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80.00	19	Ds	2-2	963360828294
37	indhupotla123@gmail.com	indhu priya	21KP1 A4483	Lakshmanarayana	Sujatha	CS E	72.00	19	cse	2-2	524345891620
38	abdulabdul22070@gmail.com	Syed.Abdul Rehman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krishna veni	DS	90.00	20	DS	2-2	347853509974
39	jaffershaik718@gmail.com	Jaffer shaik	21KP1 A4495	shaik.LaiLaha	shaik.Ramjan bee	CS E	70.00	19	cse	2nd	912229276699
40	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1 A4499	SHAIK MOHAMMAD HANIF	SHAIK MALIN	DS	9.50	21	CSD	2-2	205933956204
41	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1 A44C9	Yalamanchi subba Rao	Yalamanchi sunitha	DS	75.00	19	DS	4	742366316353
42	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1 A44B7	T. Venkayya	T. Ramanjamma	DS	75.00	19	DS	4	330477145525
43	paladugudurga1@gmail.com	P. Durga Sri	21KP1 A4473	P. Amareswara rao	P. Seshu Kumari	DS	80.00	20	CSD(Data Science)	2-2	692162661608
44	saidashaik371@gmail.com	SHAIK SAIDA ANWAR BASHA	21KP1 A44A2	SHAIK KUDHAN VALI	SHAIK SAIDA HUSSANBI	DS	80.00	20	DATASCIENCE	2-2	466722650274
45	mvkbn1312@gmail.com	R.M.V.K. Brahma Naidu	21KP1 A4489	Yedukondalu	Nirmala	DS	7.00	20	Data science	2-2	238770889424
46	nrajasambasivarao@gmail.com	Narra Raja Samba Siva Rao	21KP1 A4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.50	19	CSD (Data science)	4	835457902826
47	saisairam068@gmail.com	Sairam	21kp1a44b4	Venkata subbiah	Ravanamma	CS E	10.00	19	Da	2-2	746109575146
48	sriharshanallabothu@gmail.com	Nallabothu. Sri Harsha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90.00	21	CSD	2-2	208611060176
49	bhuvanstarpuli@gmail.com	Puli bhuvanesar	21KP1 A4484	Puli mallikarjuna	Puli ramadevi	DS	8.30	21	Data science	2.2	950519207474

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	
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@gmail.com	chinni vignesh teja yadav	21KP1 A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80 .0 0	19	Data Science	4th sem ester	639534 870436

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

Gmail	STUDENT NAME \
0	vennachandana1@gmail.com
1	adilakshmi4765@gmail.com
2	sravankumar7156@gmail.com
3	sandeepyeruval124@gmail.com
4	sivajibejjanki@gmail.com
5	ramyayalabolu123r@gmail.com
6	charithareddy3914@gmail.com
7	gayathriplepalli70@gmail.com
8	syedtasleem07@gmail.com
9	sowjanyaathota11@gmail.com
10	tammasahithi1@gmail.com
11	podilisarayu6@gmail.com
12	shaikkarishma811@gmail.com
13	kumarvalaparla890@gmail.com
14	patchachinnu3@gmail.com
15	manu952041@gmail.com
16	vanukuri.raghava@gmail.com
17	shaiksakina05@gmail.com
18	us465249@gmail.com
19	vallu.srinu756939@gmail.com
20	undelachandraobulareddy@gmail.com
21	farukh.786syed@gmail.com
22	anushayalabolu12@gmail.com
23	madhulathasure9@gmail.com
24	thammisettsrikanthraj9@gmail.com
25	shiakmobin2002@gmail.com
26	abdulkhadar6842@gmail.com
27	ravuakshaya@gmail.com
28	hemasanjushasanikommu828@gmail.com
29	ynagasasikumar@gmail.com
30	rahamtunnisashaik09@gmail.com

31	harikabangaram313@gmail.com	Harika
32	indupriya72216@gmail.com	Indu Priya Patcha
33	bhavyasrisajja2003@gmail.com	Bhavya sri
34	sudhamshavejendla@gmail.com	Vejendla Devi Sri Sudhamsha
35	bhanuthanirru@gmail.com	Thanirru Bhanu venkata prasad
36	nikitharayapati9@gmail.com	Nikhitha Rayapati
37	indhupotla123@gmail.com	indhu priya
38	abdulabdul22070@gmail.com	Syed.Abdul Rehaman
39	jaffershaik718@gmail.com	Jaffer shaik
40	rabbanishaik7356@gmail.com	SHAIK RABBANI
41	reshmayalamanchi@gmail.com	Reshma yalamanchi
42	thiriveedhinagajyothi@gmail.com	T. Nagajyothi
43	paladugudurga1@gmail.com	P. Durga Sri
44	saidashaik371@gmail.com	SHAIK SAIDA ANWAR BASHA
45	mvkbn1312@gmail.com	R.M.V.K.Brahma Naidu
46	nrajasambasivarao@gmail.com	Narra Raja Samba Siva Rao
47	saisairam068@gmail.com	Sairam
48	sriharshanallabothu@gmail.com	Nallabothu. Sri Harsha
49	bhuvanstarpuli@gmail.com	Puli bhuvaneswar
50	arundathi0508@gmail.com	PANDA UMA ARUNDATHI
51	chinnivignesh144@gmail.com	chinni vignesh teja yadav

	ROLL NUMBER	FATHER NAME	MOTHER NAME \
0	21KP1A44C5	Venna Ramanareddy	Venna Lakshmididevi
1	21KP1A4468	N.Manikya Rao	N.Sri Lakshmi
2	21KP1A4488	Rama Chandra Rao	Venkateswaramma
3	21KP1A44D1	Yeruva Ajay Kumar reddy	Yeruva Anjali Devi
4	22kp5a4402	B.lakshmaiah	B.veramma
5	21KP1A44C8	Y.Anjaiah	Y Lakshmi Rajyam
6	21KP1A4475	P.Madhava Reddy	P.Kavitha
7	21KP1A4481	POLEPALLI. GURUBRAHMA CHARI	POLEPALLI.SRIDEVI
8	21KP1A44A9	Syed Rahiman	Syed Naseema
9	21KP1A44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI
10	21KP1A44B0	Tamma krishna reddy	Tamma Padmavathi
11	21KP1A4480	PODILI RAMESH	PODILI ADILAKSHMI
12	21KP1A4496	SHAIK BAJI	SHAIK KHADRUN
13	21KP1A44C0	Veeraswamy.v	Lakshmi.v
14	21KP1A4477	Patcha apparao	Patcha sukanya
15	21KP1A4472	Pachipulusu Prasad	Pachipulusu Bhavani
16	21KP1A44C3	Srinivasa reddy	Jyothi
17	21KP1A44A3	Shaik Rahim babu	Shaik Raziya
18	21KP1A4492	S sk mastan vali	Mahabobba
19	21KP1A44C1	Vallu Srinivasa Rao	Vallu Surya kumari
20	21KP1A44B9	Undela Chinna Obula Reddy	Undela GuruLakshmi
21	21KP1A44A7	SYED.BAJI	SYED.SARTHAJ BEGUM
22	21KP1A44C7	Chinna anjayya	Lakshmi narayanama
23	21KP1A44A4	SURE.VISWANADHAM	SURE.SAI LAKSHMI
24	21KP1A44B5	T.vasu	T.jaya
25	21KP1A4497	shaik karimullah	Shaik rihana
26	21KP1A4493	Shaik.Kareem	Shaik.Farjana
27	21KP1A4485	Ravu.srinivasrao	Ravu.aruna kumari
28	21KP1A4491	musalareddy	sivaparvathi
29	21KP1A44D0	Y Rama mohanarao	Y Lalitha
30	21KP1A44A0	Shaik.mahaboobjani	Shaik.munni
31	22KP5A4401	A.Subramanyam	A.Dhana Bhagyam
32	21KP1A4476	Appa rao Patcha	Renuka Patcha
33	21KP1A4490	Mohan krishna	Usha rani
34	21KP1A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna

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

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

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

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

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

Data[Data['CGPA']>8.0]

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.Venkatesh	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@gmail.com	Y.Ramya	21KP1 A44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80 .0	19	CSD	2-2	724574 588425
6	charithareddy3914@gmail.com	P.charitha reddy	21KP1 A4475	P.Madhava Reddy	P.Kavitha	DS	70 .0	19	CSD	2.2	810177 524502
7	gayathripolepalli70@gmail.com	POLEP ALLI. GAYAT HRI	21KP1 A4481	POLEPALLI. GURUBRAH MA CHARI	POLEPALL I.SRIDEVI	DS	10 .0	19	Data Science	2-2	721819 168061
12	shaikkarishma811@gmail.com	shaik karishma	21KP1 A4496	SHAIK BAJI	SHAIK KHADRUN	DS	9. 0	19	ds	2-2	663048 521599
15	manu952041@gmail.com	Pachipul usu Manohar	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@gmail.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	undelachandraobularedy@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@gmail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanam a	DS	75 .0	19	CSD	2-2	830785 066037
23	madhulathasure9@gmail.com	SURE. MADHU LATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10 .0	20	Data science	2-2	776486 062608
25	shiakmobin2002@gmail.com	Shaikmo bin	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8. 8	21	Ds	2.2	904355 656468
27	ravuakshaya@gmail.com	Ravu.ak shaya	21KP1 A4485	Ravu.sriniva srao	Ravu.aruna kumari	DS	80 .0	19	Ds	2.2	544305 783128
28	hemasanjushasanikommu828@gmail.com	hema sanjush a	21KP1 A4491	musalareddy	sivaparvathi	CS E	73 .0	18h	cse	2-2	422314 863763
29	ynagasasikumar@gmail.com	Y Naga Sasi Kumar	21KP1 A44D0	Y Rama mohanarao	Y Lalitha	DS	9. 2	20	Data Science	2-2	448172 496292
31	harikabangaram313@gmail.com	Harika	22KP5 A4401	A.Subraman yam	A.Dhana Bhagyam	DS	75 .0	19	Data science	2-2	574930 568520
33	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1 A4490	Mohan krishna	Usha rani	DS	70 .0	19	Ds	2-2	274736 890047
34	sudhamshavejendla@gmail.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.com	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.com	indhu priya	21KP1 A4483	Lakshmanar ayana	Sujatha	CS E	72 .0	19	cse	2-2	524345 891620
38	abdulabdul22070@gmail.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.com	Jaffer shaik	21KP1 A4495	shaik.LaiLah a	shaik.Ramj an bee	CS E	70 .0	19	cse	2nd	912229 276699

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

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

print(smallest)

21	farukh.786syed@gmail.com	SYED.FARUKH	21KP1A44A7
4	sivajibejjanki@gmail.com	B.sivaji	22kp5a4402
24	thammisettsrikanthraj9@gmail.com	T.Srikanth	21KP1A44B5

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

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

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

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

print(largest)

	Gmail	STUDENT NAME	ROLL NUMBER \
38	abdulabdul22070@gmail.com	Syed.Abdul Rehaman	21KP1A44A6
48	sriharshanallabothu@gmail.com	Nallabothu. Sri Harsha	21KP1A4469
50	arundathi0508@gmail.com	PANDA UMA ARUNDATHI	21KP1A4474
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468
5	ramyayalabolul23r@gmail.com	Y.Ramya	21KP1A44C8
17	shaiksakina05@gmail.com	Shaik sameer	21KP1A44A3
27	ravuakshaya@gmail.com	Ravu.akshaya	21KP1A4485
36	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1A4487
43	paladugudurgal@gmail.com	P. Durga Sri	21KP1A4473
44	saidashaik371@gmail.com	SHAIK SAIDA ANWAR BASHA	21KP1A44A2

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

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

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

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

grouping.first()

Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	SEMISTER	UIDAI NO
AGE	BRANCH							
18	Data Science	indupriya72216@gmail.com	Indu Priya Patcha	21KP1A 4476	Appa rao Patcha	Renuka Patcha	DS	0.75 2-2 573041880949
	Data science	rahamtunnisashaik09@gmail.com	Shaik Rahamtu nnisa	21KP1A 44A0	Shaik.maha boobjani	Shaik.munni	DS	8.00 2-2 406976169351
19	CSD	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A 44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80.00 2-2 724574588425
	CSD (Data science)	nrajasambasivarao@gmail.com	Narra Raja Samba Siva Rao	21KP1A 4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.50 4 835457902826
	CSE (Data science)	tammasahithi1@gmail.com	Tamma Sahithi	21KP1A 44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.70 2-2 685349832128
	CSE-DS	adilakshmi4765@gmail.com	N.Venkat esh	21KP1A 4468	N.Manikya Rao	N.Sri Lakshmi	CSE	83.00 II-II 602515258256

Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	SEMIS	TER	UI DA I NO	
AGE	BRANCH									
	Cse-Data Science	sudhamshavejendla@gmail.com	Vejendla Devi Sri Sudhams ha	21KP1A 44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CSE	70.00	2-2	5874804 45790
	DATA SCIENCE	sowjanya11@gmail.com	T.SOWJANYA	21KP1A 44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI	DS	8.00	2-2	3386669 48901
	DS	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1A 44A9	Syed Rahiman	Syed Naseema	MECH	8.00	2-2	6170203 54793
	Da	saisairam068@gmail.com	Sairam	21kp1a 44b4	Venkata subbiah	Ravanamma	CSE	10.00	2-2	7461095 75146
	Data Science	manu952041@gmail.com	Pachipulusu Manohar	21KP1A 4472	Pachipulusu Prasad	Pachipulusu Bhavani	MECH	8.50	2-2	5593661 14423
	Data Science	gayathripolepalli70@gmail.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	7.00	2-2	4249730 81348
	Data science	vennachandana1@gmail.com	Venna Chandan a	21KP1A 44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.00	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.com	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	9.00	2-2	6630485 21599
	CSD(Data Science)	paladugudurga1@gmail.com	P. Durga Sri	21KP1A 4473	P. Amareswar a rao	P. Seshu Kumari	DS	80.00	2-2	6921626 61608
20	CSE	sandeepyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1A 44D1	Yeruva Ajay Kumar reddy	Yeruva Anjali Devi	CSE	9.50	2-3	5761549 90146
	Computer Science	undelachandraobulareddy@gmail.com	Undela Chandra Obula Reddy	21KP1A 44B9	Undela Chinna Obula Reddy	Undela GuruLakshmi	DS	9.20	2-2	6936217 80842

Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	SEMIS TER	UI DA I NO	
AGE	BRANCH								
	Computer Science Engineering & Data Science	vallu.srinu756939@gmail.com	Vallu Srinu Siva Subrahmanyam	21KP1A44C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73.00	4 ***** **
	DATASCIENCE	saidashaik371@gmail.com	SHAIK SAIDA ANWAR BASHA	21KP1A44A2	SHAIK KUDHAN VALI	SHAIK SAIDA HUSSANBI	DS	80.00	2-2 4667226 50274
	DS	shaiksakina05@gmail.com	Shaik sameer	21KP1A44A3	Shaik Rahim babu	Shaik Raziya	DS	80.00	2-2 5292614 64345
	Data Science	abdulkhadar6842@gmail.com	Shaik.Abdul Khadar	21KP1A4493	Shaik.Kareem	Shaik.Farjana	ECE	8.00	2-2 3347082 89154
	Data Science	kumarvalaparla890@gmail.com	Venkata Aravind Kumar.V	21KP1A44C0	Veeraswamy.v	Lakshmi.v	DS	0.98	2-2 5103053 45824
	Data science	mvkbn1312@gmail.com	R.M.V.K. Brahma Naidu	21KP1A4489	Yedukondalu	Nirmala	DS	7.00	2-2 2387 7088 9424
	Data science	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1A4477	Patcha apparao	Patcha sukanya	CSE	0.99	2-2 7440204 13963
	mech	sravankumar7156@gmail.com	Sravan Kumar	21KP1A4488	Rama Chandra Rao	Venkateswaramma	MECH	7.00	4 9303190 53088
	CSD	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1A4499	SHAIK MOHAMMAD HANIF	SHAIK MALIN	DS	9.50	2-2 2059339 56204
21	Data science	bhuvanstarpuli@gmail.com	Puli bhuvanesarwar	21KP1A4484	Puli mallikarjuna	Puli ramadevi	DS	8.30	2-2 9505192 07474
	Ds	shiakmobin2002@gmail.com	Shaikmobin	21KP1A4497	shaik karimullah	Shaik rihana	DS	8.80	2-2 9043556 56468
23	Computer science	sivajibejjanki@gmail.com	B.sivaji	22kp5a4402	B.lakshmaiah	B.veramma	DS	0.72	2-2 8954446 62410
18h	cse	hemasanjushasanikomm828@gmail.com	hema sanjusha	21KP1A4491	musalareddy	sivaparvathi	CSE	73.00	2-2 4223148 63763

Data.describe()

CGPA

count52.000000

mean37.657500

std35.381352

min0.700000

25%8.000000

50%9.800000

75%75.000000

max90.000000

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

df

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@gmail.com	Venna Chandana	21KP1 A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.0 0	19	Data science	2-2	636336 922883
4	sivajibejjanki@gmail.com	B.sivaji	22kp5a 4402	B.lakshmaiah	B.veramma	DS	0.7 2	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	sowjanya11@gmail.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@gmail.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@gmail.com	shaik karishma	21KP1 A4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.0 0	19	ds	2-2	663048 521599
13	kumarvalaparla890@gmail.com	Venkata Aravind Kumar.V	21KP1 A44C0	Veeraswamy .v	Lakshmi.v	DS	0.9 8	20	Data Science	2-2	510305 345824
16	vanukuri.raghava@gmail.com	Raghava	21KP1 A44C3	Srinivasa reddy	Jyothi	DS	7.0 0	19	Data science	2-2	424973 081348
17	shaiksakina05@gmail.com	Shaik sameer	21KP1 A44A3	Shaik Rahim babu	Shaik Raziya	DS	80. 00	20	DS	2-2	529261 464345
18	us465249@gmail.com	S sk usman	21KP1 A4492	S sk mastan vali	Mahabobba	DS	50. 00	19	DS	2-2	568753 875709
19	vallu.srinu756939@gmail.com	Vallu Srinu Siva 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 0	20	Comput er Science	2-2	693621 780842
21	farukh.786syed@gmail.com	SYED.FA RUKH	21KP1 A44A7	SYED.BAJI	SYED.SAR THAJ BEGUM	DS	0.7 0	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@gmail.com	SURE. MADHUL ATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10. 00	20	Data science	2-2	776486 062608
24	thammisettsrikanth aj9@gmail.com	T.Srikanth	21KP1 A44B5	T.vasu	T.jaya	DS	0.7 5	19	Data Science	2-2	673112 205183
25	shiakmobi2002@gmail.com	Shaikmobi n	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8.8 0	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@gmail.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 0	18	Data science	2-2	406976 169351
31	harikabangaram313@gmail.com	Harika	22KP5 A4401	A.Subraman yam	A.Dhana Bhagyam	DS	75. 00	19	Data science	2-2	574930 568520
32	indupriya72216@gmail.com	Indu Priya Patcha	21KP1 A4476	Appa rao Patcha	Renuka Patcha	DS	0.7 5	18	Data Science	2-2	573041 880949
33	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@gmail.com	Nikhitha Rayapati	21KP1 A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80. 00	19	Ds	2-2	963360 828294
38	abdulabdul22070@gmail.com	Syed.Abd ul Rehaman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krish na veni	DS	90. 00	20	DS	2-2	347853 509974
40	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1 A4499	SHAIK MOHAMMA D HANIF	SHAIK MALIN	DS	9.5 0	21	CSD	2-2	205933 956204
41	reshmayalamanchi@gmail.com	Reshma yalamanc hi	21KP1 A44C9	Yalamanchi subba Rao	Yalamanchi sunitha	DS	75. 00	19	DS	4	742366 316353
42	thiriveedhinagajyothis@gmail.com	T. Nagajyothis	21KP1 A44B7	T. Venkayya	T. Ramanjam ma	DS	75. 00	19	DS	4	330477 145525
43	paladugudurga1@gmail.com	P. Durga Sri	21KP1 A4473	P. Amareswara rao	P. Seshu Kumari	DS	80. 00	20	CSD(Data Science)	2-2	692162 661608
44	saidashaik371@gmail.com	SHAIK SAIDA ANWAR BASHA	21KP1 A44A2	SHAIK KUDHAN VALI	SHAIK SAIDA HUSSANBI	DS	80. 00	20	DATAS CIENCE	2-2	466722 650274
45	mvkbn1312@gmail.com	R.M.V.K.B rahma Naidu	21KP1 A4489	Yedukondalu	Nirmala	DS	7.0 0	20	Data science	2-2	2387 7088 9424
46	nrajasambasivarao@gmail.com	Narra Raja Samba Siva Rao	21KP1 A4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.5 0	19	CSD (Data science)	4	835457 902826
48	sriharshanallabothu@gmail.com	Nallabothu . Sri Harsha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90. 00	21	CSD	2-2	208611 060176

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@gmail.com	Puli bhuvanes war	21KP1 A4484	Puli mallikarjuna	Puli ramadevi	DS	8.3 0	21	Data science	2.2	950519 207474
50	arundathi0508@gmail.com	PANDA UMA ARUNDA THI	21KP1 A4474	PANDA NARAYANA RAO	PANDA PRASANN A LAKSHMI	DS	87. 00	19	CSD	2-2	652650 486629
51	chinnivignesh144@gmail.com	chinni vignesh teja yadav	21KP1 A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80. 00	19	Data Science	2-2	639534 870436
df1=Data.groupby('COURSE').get_group('CSE') df1											
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.com	N.Venk atesh	21KP1A 4468	N.Manikya Rao	N.Sri Lakshmi	CS E	83. 00	19	CSE- DS	II-II	6025152 58256
3	sandeepyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1A 44D1	Yeruva Ajay Kumar reddy	Yeruva Anjali Devi	CS E	9.5 0	20	CSE	2-3	5761549 90146
14	patchachinnu3@gmail.com	Patcha Jaswan th	21KP1A 4477	Patcha apparao	Patcha sukanya	CS E	0.9 9	20	Data scienc e	2-2	7440204 13963
28	hemasanjushasanikommu828@gmail.com	hema sanjush a	21KP1A 4491	musalaredd y	sivaparv athi	CS E	73. 00	18h	cse	2-2	4223148 63763
34	sudhamshavejendla@gmail.com	Vejendl a Devi Sri Sudha msha	21KP1A 44C4	Vejendla Srinivass Rao	Vejendl a Laxmi Prasann a	CS E	70. 00	19	Cse- Data Scienc e	2_2	5874804 45790
37	indhupotla123@gmail.com	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

Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRANCH	SEMISTER	UID AI NO	
47	saisairam068@gmail.com	Sairam	21kp1a44b4	Venkata subbiah	Ravana mma	CS E	10.00	19	Da	2-2	746109575146

df2=Data.groupby('COURSE').get_group('MECH')

df2

Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRANCH	SEMISTER	UID AI NO	
2	sravankumar7156@gmail.com	Sravan Kumar	21KP1A4488	Rama Chandra Rao	Venkateswaramma	MECH	7.0	20	mech	4	930319053088
8	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1A44A9	Syed Rahiman	Syed Naseema	MECH	8.0	19	DS	2-2	617020354793
15	manu952041@gmail.com	Pachipulusu Manohar	21KP1A4472	Pachipulusu Prasad	Pachipulusu Bhavani	MECH	8.5	19	Data Science	2-2	559366114423

df3=Data.groupby('COURSE').get_group('ECE')

df3

Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRANCH	SEMESTER	UID AI NO	
26	abdulkhadar6842@gmail.com	Shaik.Abdul Khadar	21KP1A4493	Shaik.Kareem	Shaik.Farjana	ECE	8.0	20	Data Science	2-2	334708289154

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

df4

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMISTER	UIDAI NO
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtunnisa	21KP1A44A0	Shaik.mahabobjani	Shaik.munni	DS	8.00	18	Data science	2-2	406976169351
32	indupriya72216@gmail.com	Indu Priya Patcha	21KP1A4476	Appa rao Patcha	Renuka Patcha	DS	0.75	18	Data Science	2-2	573041880949
In [22]:											
df5=Data.groupby('AGE').get_group(19) df5											
	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMISTER	UIDAI NO
0	vennachandana1@gmail.com	Venna Chandana	21KP1A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.00	19	Data science	2-2	636336922883
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468	N.Manikya Rao	N.Sri Lakshmi	CSE	83.00	19	CSE-DS	II-II	602515258256
5	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80.00	19	CSD	2-2	724574588425
6	charithareddy3914@gmail.com	P.charithareddy	21KP1A4475	P.Madhava Reddy	P.Kavitha	DS	70.00	19	CSD	2.2	810177524502
7	gayathriplepalli70@gmail.com	POLEPALLI GAYATHRI	21KP1A4481	POLEPALLI GURUBRAHMACHARI	POLEPALLI SRIDEVI	DS	10.00	19	Data Science	2-2	721819168061
8	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1A44A9	Syed Rahiman	Syed Naseema	MECH	8.00	19	DS	2-2	617020354793
9	sowjanya11@gmail.com	T.SOWJANYA	21KP1A44B6	T.SAMBASIVARAO	T.ARUNKUMARI	DS	8.00	19	DATASCIENCE	2-2	338666948901
10	tammasahithi1@gmail.com	Tamma Sahithi	21KP1A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.70	19	CSE (Data science)	2-2	685349832128
11	podilisarayu6@gmail.com	PODILI LAKSHMISARAYU	21KP1A4480	PODILIRAMESH	PODILI ADILAKSHMI	DS	7.50	19	DATASCIENCE	2-2	458689741091

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRA NCH	SEMIS TER	UIDAI NO
1 2	shaikkarishma811@gmail.com	shaik karishma	21KP1A 4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.00	19	ds	2-2	6630485 21599
1 5	manu952041@gmail.com	Pachipulusu Manohar	21KP1A 4472	Pachipulusu Prasad	Pachipulusu Bhavani	MECH	8.50	19	Data Science	2-2	5593661 14423
1 6	vanukuri.raghava@gmail.com	Raghava	21KP1A 44C3	Srinivasa reddy	Jyothi	DS	7.00	19	Data science	2-2	4249730 81348
1 8	us465249@gmail.com	S sk usman	21KP1A 4492	S sk mastan vali	Mahabobba	DS	50.0 0	19	DS	2-2	5687538 75709
2 1	farukh.786syed@gmail.com	SYED.FAR UKH	21KP1A 44A7	SYED.BA JI	SYED.SART HAJ BEGUM	DS	0.70	19	DS	2-2	7643207 30678
2 2	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1A 44C7	Chinna anjayya	Lakshmi narayanama	DS	75.0 0	19	CSD	2-2	8307850 66037
2 4	thammisettsrikanthraj9@gmail.com	T.Srikanth	21KP1A 44B5	T.vasu	T.jaya	DS	0.75	19	Data Science	2-2	6731122 05183
2 7	ravuakshaya@gmail.com	Ravu.akshaya	21KP1A 4485	Ravu.srinivasrao	Ravu.aruna kumari	DS	80.0 0	19	Ds	2.2	5443057 83128
3 1	harikabangaram313@gmail.com	Harika	22KP5A 4401	A.Subramanyam	A.Dhana Bhagyam	DS	75.0 0	19	Data science	2-2	5749305 68520
3 3	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1A 4490	Mohan krishna	Usha rani	DS	70.0 0	19	Ds	2-2	2747368 90047
3 4	sudhamshavejendla@gmail.com	Vejendla Devi Sri Sudhamsha	21KP1A 44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CSE	70.0 0	19	Cse-Data Science	2_2	5874804 45790
3 5	bhanuthanirru@gmail.com	Thanirru Bhanu venkata prasad	21KP1A 44B2	T sathyanarayana	T rama devi	DS	9.60	19	Data Science	2-2	3572282 02835
3 6	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1A 4487	Rayapati hanumathrao	Rayapati malleeswari	DS	80.0 0	19	Ds	2-2	9633608 28294
3 7	indhupotla123@gmail.com	indhu priya	21KP1A 4483	Lakshmana rayana	Sujatha	CSE	72.0 0	19	cse	2-2	5243458 91620
3 9	jaffershaik718@gmail.com	Jaffer shaik	21KP1A 4495	shaik.LaiLaha	shaik.Ramjan bee	CSE	70.0 0	19	cse	2nd	9122292 76699
4 1	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1A 44C9	Yalamanchi subba Rao	Yalamanchi sunitha	DS	75.0 0	19	DS	4	7423663 16353

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
42	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1A44B7	T. Venkayya	T. Ramanjamma	DS	75.00	19	DS	4	330477145525
46	nrajasambasivarao@gmail.com	Narra Raja Samba Siva Rao	21KP1A4471	Narra Srinivasa Rao	Narra Ramadevi	DS	7.50	19	CSD (Data science)	4	835457902826
47	saisairam068@gmail.com	Sairam	21kp1a44b4	Venkata subbiah	Ravanamma	CSE	10.00	19	Da	2-2	746109575146
50	arundathi0508@gmail.com	PANDA UMA ARUNDATHI	21KP1A4474	PANDA NARAYANA RAO	PANDA PRASANNA LAKSHMI	DS	87.00	19	CSD	2-2	652650486629
51	chinnivignesh144@gmail.com	chinni vignesh teja yadav	21KP1A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80.00	19	Data Science	4th semester	639534870436
df6=Data.groupby('AGE').get_group(20)											
df6											
	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
2	sravankumar7156@gmail.com	Sravan Kumar	21KP1A4488	Rama Chandra Rao	Venkateswaramma	MECH	7.00	20	mech	4	930319053088
3	sandeepyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1A44D1	Yeruva Ajay Kumar reddy	Yeruva Anjali Devi	CSE	9.50	20	CSE	2-3	576154990146
13	kumarvalaparla890@gmail.com	Venkata Aravind Kumar.V	21KP1A44C0	Veeraswamy.v	Lakshmi.v	DS	0.98	20	Data Science	2-2	510305345824
14	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1A4477	Patcha apparao	Patcha sukanya	CSE	0.99	20	Data science	2-2	744020413963
17	shaiksakina05@gmail.com	Shaik sameer	21KP1A44A3	Shaik Rahim babu	Shaik Raziya	DS	80.00	20	DS	2-2	529261464345
19	vallu.srinu756939@gmail.com	Vallu Srinu Siva Subrahmanyam	21KP1A44C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73.00	20	Computer Science Engineering& Data Science	4	***** *****

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRANCH	SEMISTER	UIDAI NO
20	undelachandraobularedy@gmail.com	Undela Chandra Obula Reddy	21KP1A44B9	Undela Chinna Obula Reddy	Undela GuruLakshmi	DS	9.20	20	Computer Science	2-2	693621780842
23	madhulathasure9@gmail.com	SURE. MADHULATHA	21KP1A44A4	SURE.VISWA NADHAM	SURE.SAI LAKSHMI	DS	10.00	20	Data science	2-2	776486062608
26	abdulkhadar6842@gmail.com	Shaik.Abdul Khadar	21KP1A4493	Shaik.Kareem	Shaik.Farjana	ECE	8.00	20	Data Science	2-2	334708289154
29	ynagasasikumar@gmail.com	Y Naga Sasi Kumar	21KP1A44D0	Y Ramamohanarao	Y Lalitha	DS	9.20	20	Data Science	2-2	448172496292
38	abdulabdul22070@gmail.com	Syed.Abdul Rehaman	21KP1A44A6	Syed.Meera Sharif	Bandi.Krishna veni	DS	90.00	20	DS	2-2	347853509974
43	paladugudurga1@gmail.com	P. Durga Sri	21KP1A4473	P. Amareswararao	P. Seshu Kumari	DS	80.00	20	CSD(Data Science)	2-2	692162661608
44	saidashaik371@gmail.com	SHAIK SAIDANWAR BASHA	21KP1A44A2	SHAIK KUDHANVALI	SHAIK SAIDAHUSSANBI	DS	80.00	20	DATASCIENCE	2-2	466722650274
45	mvkbn1312@gmail.com	R.M.V.K. Brahma Naidu	21KP1A4489	Yedukondalu	Nirmala	DS	7.00	20	Data science	2-2	238770889424

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

df7

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRANCH	SEMISTER	UIDAI NO
25	shiakmobin2002@gmail.com	Shaikmobin	21KP1A4497	shaik karimullah	Shaik rihana	DS	8.8	21	Ds	2.2	904355656468
40	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1A4499	SHAIK MOHAMMAD HANIF	SHAIK MALIN	DS	9.5	21	CSD	2-2	205933956204
48	sriharshanallabothu@gmail.com	Nallabothu. Sri Harsha	21KP1A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90.0	21	CSD	2-2	208611060176

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRANCH	SEMISTER	UIDAI NO
49	bhuvanstarpuli@gmail.com	Puli bhuvanesarwar	21KP1A4484	Puli mallikarjuna	Puli ramadevi	DS	8.3	21	Data science	2.2	950519207474

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

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRANCH	SEMI-STER	UIDAI NO
0	vennachandana1@gmail.com	Venna Chandana	21KP1A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.00	19	Data science	2-2	636336922883
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468	N.Manikya Rao	N.Sri Lakshmi	CSE	83.00	19	CSE-DS	II-II	602515258256
2	sravankumar7156@gmail.com	Sravan Kumar	21KP1A4488	Rama Chandra Rao	Venkateswaramma	MECH	7.00	20	mech	4	930319053088
3	sandeepyeruva1124@gmail.com	Yeruva sandeepreddy	21KP1A44D1	Yeruva Ajay Kumar reddy	Yeruva Anjali Devi	CSE	9.50	20	CSE	2-3	576154990146
4	sivajibejjanki@gmail.com	B.sivaji	22kp5a4402	B.lakshmaiah	B.veramma	DS	0.72	23	Computer science	2-2	895444662410
5	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80.00	19	CSD	2-2	724574588425
6	charithareddy3914@gmail.com	P.charithareddy	21KP1A4475	P.Madhava Reddy	P.Kavitha	DS	70.00	19	CSD	2.2	810177524502
7	gayathripolepalli70@gmail.com	POLEPALLI. GAYATHRI	21KP1A4481	POLEPALLI. GURUBRAHMA CHARI	POLEPALLI. SRIDEVI	DS	10.00	19	Data Science	2-2	721819168061
8	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1A44A9	Syed Rahiman	Syed Naseema	MECH	8.00	19	DS	2-2	617020354793
9	sowjanyaathota11@gmail.com	T.SOWJANYA	21KP1A44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI	DS	8.00	19	DATA SCIENCE	2-2	338666948901
10	tammasahithi1@gmail.com	Tamma Sahithi	21KP1A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.70	19	CSE (Data science)	2-2	685349832128
11	podilisarayu6@gmail.com	PODILI LAKSHMI SARAYU	21KP1A4480	PODILI RAMESH	PODILI ADILAKSHMI	DS	7.50	19	DATA SCIENCE	2-2	458689741091

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
1 2	shaikkarishma811@gmail.com	shaik karishma	21KP1 A4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.00	19	ds	2-2	663048521599
1 3	kumarvalaparla890@gmail.com	Venkata Aravind Kumar.V	21KP1 A44C0	Veeraswamy.v	Lakshmi.v	DS	0.98	20	Data Science	2-2	510305345824
1 4	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1 A4477	Patcha apparao	Patcha sukanya	CSE	0.99	20	Data science	2-2	744020413963
1 5	manu952041@gmail.com	Pachipulusu Manohar	21KP1 A4472	Pachipulusu Prasad	Pachipulusu Bhavani	MECH	8.50	19	Data Science	2-2	559366114423
1 6	vanukuri.raghava@gmail.com	Raghava	21KP1 A44C3	Srinivasa reddy	Jyothi	DS	7.00	19	Data science	2-2	424973081348
1 7	shaiksakina05@gmail.com	Shaik sameer	21KP1 A44A3	Shaik Rahim babu	Shaik Raziya	DS	80.00	20	DS	2-2	529261464345
1 8	us465249@gmail.com	S sk usman	21KP1 A4492	S sk mastan vali	Mahabobba	DS	50.00	19	DS	2-2	568753875709
1 9	vallu.srinu756939@gmail.com	Vallu Srinu Siva Subrahmanyam	21KP1 A44C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73.00	20	Computer Science Engineering & Data Science	4	*****
2 0	undelachandraobularedy@gmail.com	Undela Chandra Obula Reddy	21KP1 A44B9	Undela Chinna Obula Reddy	Undela GuruLakshmi	DS	9.20	20	Computer Science	2-2	693621780842
2 1	farukh.786syed@gmail.com	SYED.FAR UKH	21KP1 A44A7	SYED.BAJI	SYED.SART HAJ BEGUM	DS	0.70	19	DS	2-2	764320730678
2 2	anushayalobolu12@gmail.com	Anusha yalobolu	21KP1 A44C7	Chinna anjaya	Lakshmi narayanama	DS	75.00	19	CSD	2-2	830785066037
2 3	madhulathasure9@gmail.com	SURE. MADHULATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10.00	20	Data science	2-2	776486062608
2 4	thammisettysrikanthraj9@gmail.com	T.Srikanth	21KP1 A44B5	T.vasu	T.jaya	DS	0.75	19	Data Science	2-2	673112205183
2 5	shiakmobin2002@gmail.com	Shaikmobin	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8.80	21	Ds	2.2	904355656468
2 6	abdulkhadar6842@gmail.com	Shaik.Abdul Khadar	21KP1 A4493	Shaik.Kareem	Shaik.Farjana	ECE	8.00	20	Data Science	2-2	334708289154
2 7	ravuakshaya@gmail.com	Ravu.akshaya	21KP1 A4485	Ravu.srinivasrao	Ravu.aruna kumari	DS	80.00	19	Ds	2.2	544305783128

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
28	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1 A4491	musalareddy	sivaparvathi	CSE	73.00	18	cse	2-2	422314 863763
29	ynagasasikumar@gmail.com	Y Naga Sasi Kumar	21KP1 A44D0	Y Rama mohanarao	Y Lalitha	DS	9.20	20	Data Science	2-2	448172 496292
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtunni sa	21KP1 A44A0	Shaik.mahabo objani	Shaik.munni	DS	8.00	18	Data science	2-2	406976 169351
31	harikabangaram313@gmail.com	Harika	22KP5 A4401	A.Subramanya m	A.Dhana Bhagyam	DS	75.00	19	Data science	2-2	574930 568520
32	indupriya72216@gmail.com	Indu Priya Patcha	21KP1 A4476	Appa rao Patcha	Renuka Patcha	DS	0.75	18	Data Science	2-2	573041 880949
33	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1 A4490	Mohan krishna	Usha rani	DS	70.00	19	Ds	2-2	274736 890047
34	sudhamshavejendla@gmail.com	Vejendla Devi Sri Sudhamsha	21KP1 A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CSE	70.00	19	Cse- Data Science	2_2	587480 445790
35	bhanuthanirru@gmail.com	Thanirru Bhanu venkata prasad	21KP1 A44B2	T sathyanarayana	T rama devi	DS	9.60	19	Data Science	2-2	357228 202835
36	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1 A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80.00	19	Ds	2-2	963360 828294
37	indhupotla123@gmail.com	indhu priya	21KP1 A4483	Lakshmanarayana	Sujatha	CSE	72.00	19	cse	2-2	524345 891620
38	abdulabdul22070@gmail.com	Syed.Abdul Rehaman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krishna veni	DS	90.00	20	DS	2-2	347853 509974
39	jaffershaik718@gmail.com	Jaffer shaik	21KP1 A4495	shaik.LaiLaha	shaik.Ramjan bee	CSE	70.00	19	cse	2nd	912229 276699
40	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1 A4499	SHAIK MOHAMMAD HANIF	SHAIK MALIN	DS	9.50	21	CSD	2-2	205933 956204
41	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1 A44C9	Yalamanchi subba Rao	Yalamanchi sunitha	DS	75.00	19	DS	4	742366 316353
42	thiriveedhinagajyothis@gmail.com	T. Nagajyothis	21KP1 A44B7	T. Venkayya	T. Ramanjamm a	DS	75.00	19	DS	4	330477 145525
43	paladugudurga1@gmail.com	P. Durga Sri	21KP1 A4473	P. Amareswara rao	P. Seshu Kumari	DS	80.00	20	CSD(Data Science)	2-2	692162 661608

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
44	saidashaik371@gmail.com	SHAIK SAIDA ANWAR BASHA	21KP1 A44A2	SHAIK KUDHAN VALI	SHAIK SAIDA HUSSANBI	DS	80.00	20	DATASCIENCE	2-2	466722650274
45	mvkbn1312@gmail.com	R.M.V.K.B rahma Naidu	21KP1 A4489	Yedukondalu	Nirmala	DS	7.00	20	Data science	2-2	238770889424
46	nrajasambasivarao@gmail.com	Narra Raja Samba Siva Rao	21KP1 A4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.50	19	CSD (Data science)	4	835457902826
47	saisairam068@gmail.com	Sairam	21kp1a 44b4	Venkata subbiah	Ravanamma	CSE	10.00	19	Da	2-2	746109575146
48	sriharshanallabothu@gmail.com	Nallabothu. Sri Harsha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90.00	21	CSD	2-2	208611060176
49	bhuvanstarpuli@gmail.com	Puli bhuvaneswar	21KP1 A4484	Puli mallikarjuna	Puli ramadevi	DS	8.30	21	Data science	2.2	950519207474
50	arundathi0508@gmail.com	PANDA UMA ARUNDATHI	21KP1 A4474	PANDA NARAYANA RAO	PANDA PRASANNA LAKSHMI	DS	87.00	19	CSD	2-2	652650486629
51	chinnivignesh144@gmail.com	chinni vignesh teja yadav	21KP1 A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80.00	19	Data Science	4th semester	639534870436
Data.AGE=Data.AGE.astype(int) Data											
	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
0	vennachandana1@gmail.com	Venna Chandana	21KP1 A44C5	Venna Ramanareddy	Venna Lakshmididevi	DS	8.00	19	Data science	2-2	636336922883
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1 A4468	N.Manikya Rao	N.Sri Lakshmi	CSE	83.00	19	CSE-DS	II-II	602515258256
2	sravankumar7156@gmail.com	Sravan Kumar	21KP1 A4488	Rama Chandra Rao	Venkateswaramma	MECH	7.00	20	mech	4	930319053088

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMI-STER	UIDAI NO
3	sandeepyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1 A44D1	Yeruva Ajay Kumar reddy	Yeruva Anjali Devi	CSE	9.50	20	CSE	2-3	576154 990146
4	sivajibejjanki@gmail.com	B.sivaji	22kp5a 4402	B.lakshmaiah	B.veramma	DS	0.72	23	Computer science	2-2	895444 662410
5	ramyayalabolu123r@gmail.com	Y.Ramya	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. GAYATHRI	21KP1 A4481	POLEPAL LI. GURUBRAH MA CHARI	POLEPAL LI. SRIDEVI	DS	10.00	19	Data Science	2-2	721819 168061
8	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1 A44A9	Syed Rahiman	Syed Naseema	MECH	8.00	19	DS	2-2	617020 354793
9	sowjanyaathota11@gmail.com	T.SOWJANYA	21KP1 A44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI	DS	8.00	19	DATA SCIENCE	2-2	338666 948901
10	tammasahithi1@gmail.com	Tamma Sahithi	21KP1 A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.70	19	CSE (Data science)	2-2	685349 832128
11	podilisarayu6@gmail.com	PODILI LAKSHMI SARAYU	21KP1 A4480	PODILI RAMESH	PODILI ADILAKSHMI	DS	7.50	19	DATA SCIENCE	2-2	458689 741091
12	shaikkarishma811@gmail.com	shaik karishma	21KP1 A4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.00	19	ds	2-2	663048 521599
13	kumarvalaparla890@gmail.com	Venkata Aravind Kumar.V	21KP1 A44C0	Veeraswamy.v	Lakshmi.v	DS	0.98	20	Data Science	2-2	510305 345824
14	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1 A4477	Patcha apparao	Patcha sukanya	CSE	0.99	20	Data science	2-2	744020 413963
15	manu952041@gmail.com	Pachipulusu Manohar	21KP1 A4472	Pachipulusu Prasad	Pachipulusu Bhavani	MECH	8.50	19	Data Science	2-2	559366 114423
16	vanukuri.raghava@gmail.com	Raghava	21KP1 A44C3	Srinivasa reddy	Jyothi	DS	7.00	19	Data science	2-2	424973 081348
17	shaiksakina05@gmail.com	Shaik sameer	21KP1 A44A3	Shaik Rahim babu	Shaik Raziya	DS	80.00	20	DS	2-2	529261 464345
18	us465249@gmail.com	S sk usman	21KP1 A4492	S sk mastan vali	Mahabobba	DS	50.00	19	DS	2-2	568753 875709
19	vallu.srinu756939@gmail.com	Vallu Srinu Siva	21KP1 A44C1	Vallu Srinivasa Rao	Vallu Surya kumari	DS	73.00	20	Computer Science Engineeri	4	*****

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
		Subrahman yam							ng& Data Science		
20	undelachandraobularedy@gmail.com	Undela Chandra Obula Reddy	21KP1 A44B9	Undela Chinna Obula Reddy	Undela GuruLakshmi	DS	9.20	20	Computer Science	2-2	693621780842
21	farukh.786syed@gmail.com	SYED.FARUKH	21KP1 A44A7	SYED.BAJI	SYED.SARTHAJ BEGUM	DS	0.70	19	DS	2-2	764320730678
22	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanama	DS	75.00	19	CSD	2-2	830785066037
23	madhulathasure9@gmail.com	SURE. MADHULATHA	21KP1 A44A4	SURE.VISWANADHAM	SURE.SAILAKSHMI	DS	10.00	20	Data science	2-2	776486062608
24	thammisettysrikanthraj9@gmail.com	T.Srikanth	21KP1 A44B5	T.vasu	T.jaya	DS	0.75	19	Data Science	2-2	673112205183
25	shiakmobin2002@gmail.com	Shaikmobin	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8.80	21	Ds	2.2	904355656468
26	abdulkhadar6842@gmail.com	Shaik.Abdul Khadar	21KP1 A4493	Shaik.Kareem	Shaik.Farjana	ECE	8.00	20	Data Science	2-2	334708289154
27	ravuakshaya@gmail.com	Ravu.akshaya	21KP1 A4485	Ravu.srinivasrao	Ravu.aruna kumari	DS	80.00	19	Ds	2.2	544305783128
28	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1 A4491	musalareddy	sivaparvathi	CSE	73.00	18	cse	2-2	422314863763
29	ynagasasikumar@gmail.com	Y Naga Sasi Kumar	21KP1 A44D0	Y Ramamohanarao	Y Lalitha	DS	9.20	20	Data Science	2-2	448172496292
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtunnisa	21KP1 A44A0	Shaik.mahabobjani	Shaik.munni	DS	8.00	18	Data science	2-2	406976169351
31	harikabangaram313@gmail.com	Harika	22KP5 A4401	A.Subramanyam	A.Dhana Bhagyam	DS	75.00	19	Data science	2-2	574930568520
32	indupriya72216@gmail.com	Indu Priya Patcha	21KP1 A4476	Appa rao Patcha	Renuka Patcha	DS	0.75	18	Data Science	2-2	573041880949
33	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1 A4490	Mohan krishna	Usha rani	DS	70.00	19	Ds	2-2	274736890047
34	sudhamshavejendla@gmail.com	Vejendla Devi Sri Sudhamsha	21KP1 A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CSE	70.00	19	Cse- Data Science	2_2	587480445790
35	bhanuthanirru@gmail.com	Thanirru Bhanu venkata prasad	21KP1 A44B2	T sathyanarayana	T rama devi	DS	9.60	19	Data Science	2-2	357228202835

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
36	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1 A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80.00	19	Ds	2-2	963360 828294
37	indhupotla123@gmail.com	indhu priya	21KP1 A4483	Lakshmanarayana	Sujatha	CSE	72.00	19	cse	2-2	524345 891620
38	abdulabdul22070@gmail.com	Syed.Abdul Rehaman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krishna veni	DS	90.00	20	DS	2-2	347853 509974
39	jaffershaik718@gmail.com	Jaffer shaik	21KP1 A4495	shaik.LaiLaha	shaik.Ramjan bee	CSE	70.00	19	cse	2nd	912229 276699
40	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1 A4499	SHAIK MOHAMMAD HANIF	SHAIK MALIN	DS	9.50	21	CSD	2-2	205933 956204
41	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1 A44C9	Yalamanchi subba Rao	Yalamanchi sunitha	DS	75.00	19	DS	4	742366 316353
42	thiriveedhinagajyothis@gmail.com	T. Nagajyothis	21KP1 A44B7	T. Venkayya	T. Ramanjamma	DS	75.00	19	DS	4	330477 145525
43	paladugudurga1@gmail.com	P. Durga Sri	21KP1 A4473	P. Amareswararao	P. Seshu Kumari	DS	80.00	20	CSD(Data Science)	2-2	692162 661608
44	saidashaik371@gmail.com	SHAIK SAIDA ANWAR BASHA	21KP1 A44A2	SHAIK KUDHAN VALI	SHAIK SAIDA HUSSANBI	DS	80.00	20	DATASCIENCE	2-2	466722 650274
45	mvkbn1312@gmail.com	R.M.V.K.Brahma Naidu	21KP1 A4489	Yedukondalu	Nirmala	DS	7.00	20	Data science	2-2	2387 7088 9424
46	nrajasambasivarao@gmail.com	Narra Raja Samba Siva Rao	21KP1 A4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.50	19	CSD (Data science)	4	835457 902826
47	saisairam068@gmail.com	Sairam	21kp1a 44b4	Venkata subbiah	Ravanamma	CSE	10.00	19	Da	2-2	746109 575146
48	sriharshanallabothu@gmail.com	Nallabothu. Sri Harsha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90.00	21	CSD	2-2	208611 060176
49	bhuvanstarpuli@gmail.com	Puli bhuvaneswar	21KP1 A4484	Puli mallikarjuna	Puli ramadevi	DS	8.30	21	Data science	2.2	950519 207474
50	arundathi0508@gmail.com	PANDA UMA ARUNDATHI	21KP1 A4474	PANDA NARAYANA RAO	PANDA PRASANNA LAKSHMI	DS	87.00	19	CSD	2-2	652650 486629
51	chinnivignesh144@gmail.com	chinni vignesh teja yadav	21KP1 A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80.00	19	Data Science	4th semester	639534 870436

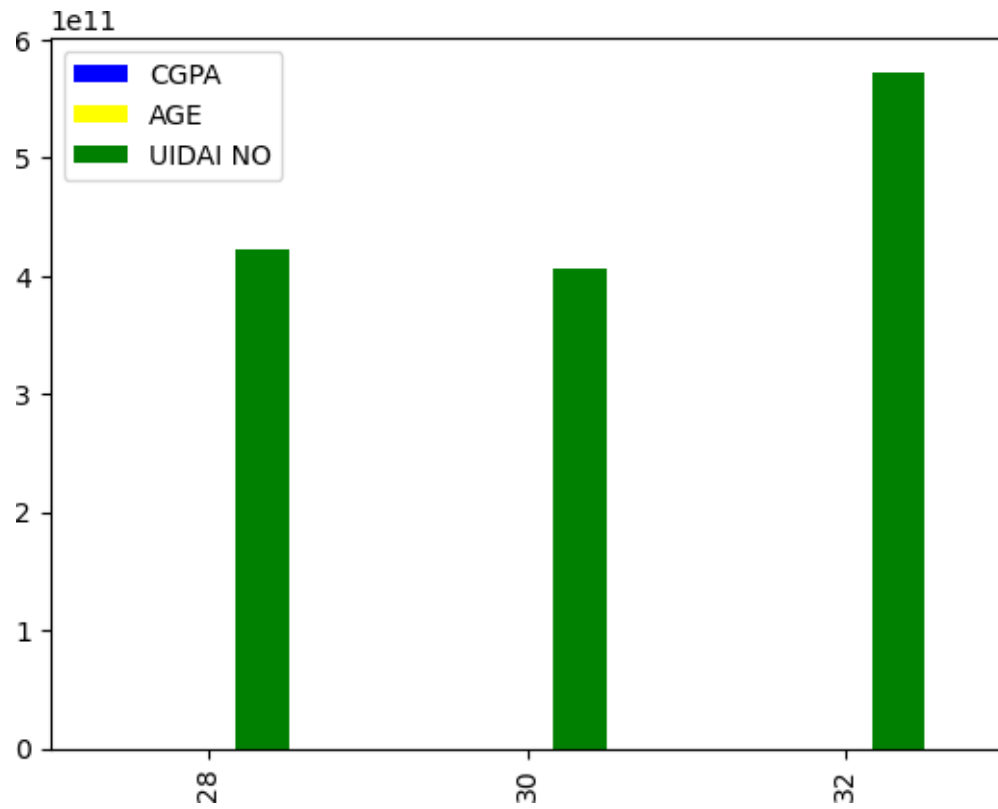
```
df4=Data.groupby('AGE').get_group(18)
df4
```

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRANCH	SEMESTER	UIDAI NO
28	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1A4491	musalareddy	sivaparvathi	CSE	73.00	18	cse	2-2	422314863763
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtunnisa	21KP1A44A0	Shaik.mahaboobjani	Shaik.munni	DS	8.00	18	Data science	2-2	406976169351
32	indupriya72216@gmail.com	Indu Priya Patcha	21KP1A4476	Appa rao Patcha	Renuka Patcha	DS	0.75	18	Data Science	2-2	573041880949

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

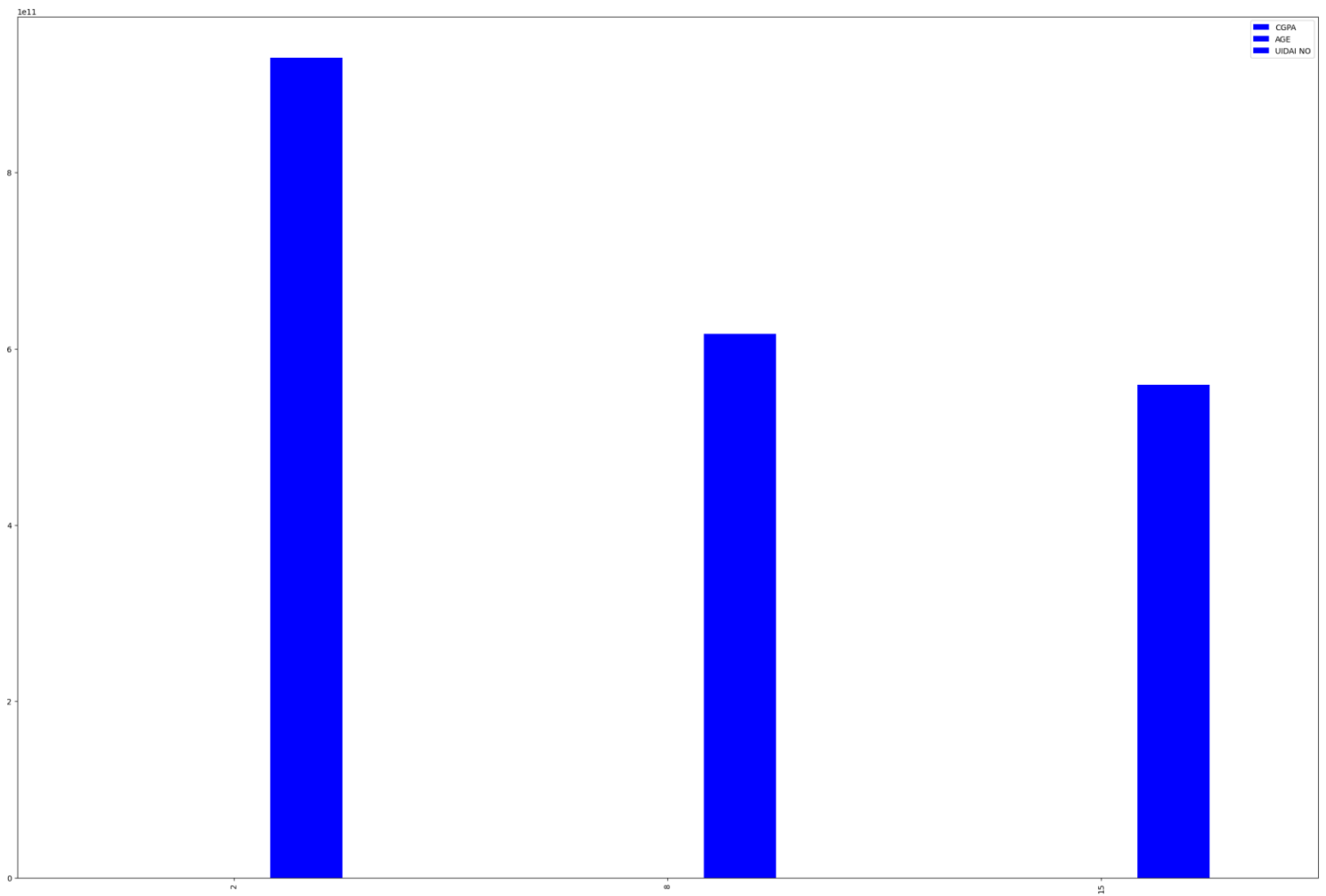
	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRANCH	SEMESTER	UIDAI NO
28	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1A4491	musalareddy	sivaparvathi	CSE	73.00	18	cse	2-2	422314863763
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtunnisa	21KP1A44A0	Shaik.mahaboobjani	Shaik.munni	DS	8.00	18	Data science	2-2	406976169351
32	indupriya72216@gmail.com	Indu Priya Patcha	21KP1A4476	Appa rao Patcha	Renuka Patcha	DS	0.75	18	Data Science	2-2	573041880949

Displaying plot bar by AGE,CGPA,UIDAI NO



Displaying the plot bars

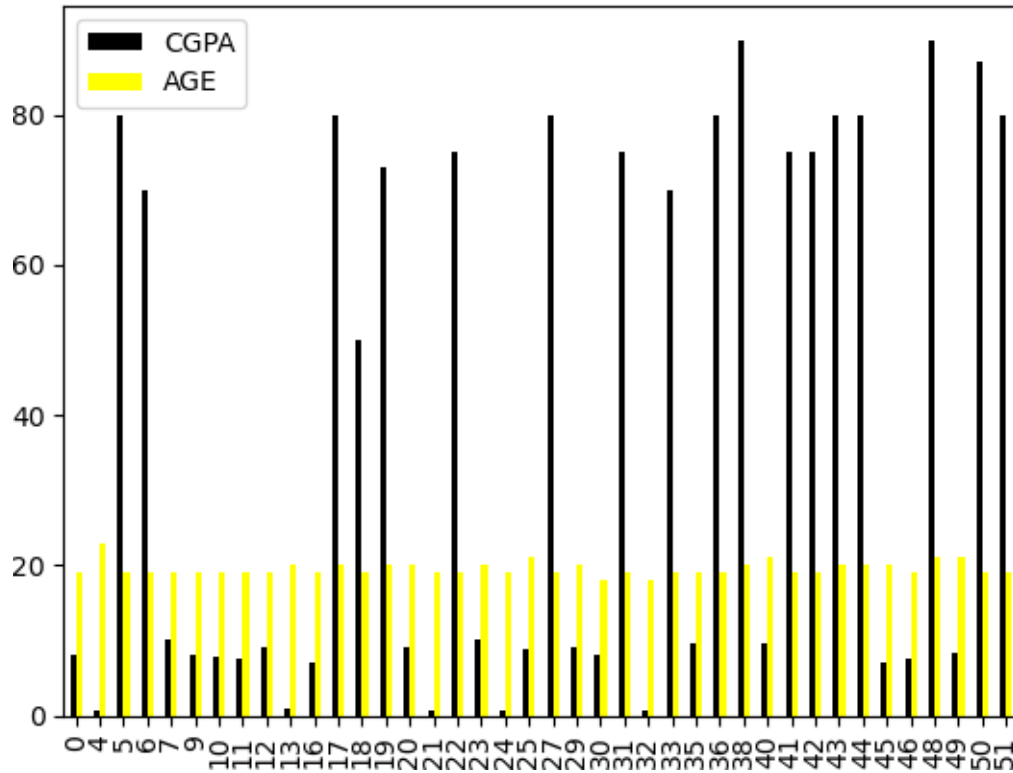
```
df2.plot.bar(color=['blue'],figsize=(30,20))
```



Displaying the CGPA and age of students

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

<Axes: >



df5

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRA NCH	SEMIS TER	UIDAI NO
0	vennachandana1@gmail.com	Venna Chandana	21KP1A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.00	19	Data science	2-2	636336922883
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468	N.Manikya Rao	N.Sri Lakshmi	CSE	83.00	19	CSE-DS	II-II	602515258256
5	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80.00	19	CSD	2-2	724574588425
6	charithareddy3914@gmail.com	P.charitha reddy	21KP1A4475	P.Madhava Reddy	P.Kavitha	DS	70.00	19	CSD	2.2	810177524502
7	gayathripolepalli70@gmail.com	POLEPALLI GAYATHRI	21KP1A4481	POLEPAL LI GURUBRAHMA CHARI	POLEPALLI SRIDEVI	DS	10.00	19	Data Science	2-2	721819168061
8	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1A44A9	Syed Rahiman	Syed Naseema	MECH	8.00	19	DS	2-2	617020354793

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRA NCH	SEMIS TER	UIDAI NO
9	sowjanyaathota11@gmail.com	T.SOWJANYA	21KP1A44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI	DS	8.00	19	DAT A SCIENCE	2-2	338666948901
10	tammasahithi1@gmail.com	Tamma Sahithi	21KP1A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.70	19	CSE (Data science)	2-2	685349832128
11	podilisarayu6@gmail.com	PODILI LAKSHMIS ARAYU	21KP1A4480	PODILI RAMESH	PODILI ADILAKSHMI	DS	7.50	19	DAT A SCIENCE	2-2	458689741091
12	shaikkarishma811@gmail.com	shaik karishma	21KP1A4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.00	19	ds	2-2	663048521599
15	manu952041@gmail.com	Pachipulusu Manohar	21KP1A4472	Pachipulusu Prasad	Pachipulusu Bhavani	MECH	8.50	19	Data Science	2-2	559366114423
16	vanukuri.raghava@gmail.com	Raghava	21KP1A44C3	Srinivasa reddy	Jyothi	DS	7.00	19	Data science	2-2	424973081348
18	us465249@gmail.com	S sk usman	21KP1A4492	S sk mastan vali	Mahabobba	DS	50.00	19	DS	2-2	568753875709
21	farukh.786syed@gmail.com	SYED.FAR UKH	21KP1A44A7	SYED.BAJI	SYED.SART HAJ BEGUM	DS	0.70	19	DS	2-2	764320730678
22	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1A44C7	Chinna anjayya	Lakshmi narayanama	DS	75.00	19	CSD	2-2	830785066037
24	thammisettsrikanthraj9@gmail.com	T.Srikanth	21KP1A44B5	T.vasu	T.jaya	DS	0.75	19	Data Science	2-2	673112205183
27	ravuakshaya@gmail.com	Ravu.akshaya	21KP1A4485	Ravu.srinivasrao	Ravu.aruna kumari	DS	80.00	19	Ds	2.2	544305783128
31	harikabangaram313@gmail.com	Harika	22KP5A4401	A.Subramanyam	A.Dhana Bhagyam	DS	75.00	19	Data science	2-2	574930568520
33	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1A4490	Mohan krishna	Usha rani	DS	70.00	19	Ds	2-2	274736890047
34	sudhamshavejendla@gmail.com	Vejendla Devi Sri Sudhamsha	21KP1A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CSE	70.00	19	Cse-Data Science	2_2	587480445790
35	bhanuthanirru@gmail.com	Thanirru Bhanu venkata prasad	21KP1A44B2	T sathyanarayana	T rama devi	DS	9.60	19	Data Science	2-2	357228202835

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36	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80.00	19	Ds	2-2	963360828294
37	indhupotla123@gmail.com	indhu priya	21KP1A4483	Lakshmana rayana	Sujatha	CSE	72.00	19	cse	2-2	524345891620
39	jaffershaik718@gmail.com	Jaffer shaik	21KP1A4495	shaik.LaiLaha	shaik.Ramjanbee	CSE	70.00	19	cse	2nd	912229276699
41	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1A44C9	Yalamanchi subba Rao	Yalamanchi sunitha	DS	75.00	19	DS	4	742366316353
42	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1A44B7	T. Venkayya	T. Ramanjamma	DS	75.00	19	DS	4	330477145525
46	nrajasambasivarao@gmail.com	Narra Raja Samba Siva Rao	21KP1A4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.50	19	CSD (Data science)	4	835457902826
47	saisairam068@gmail.com	Sairam	21kp1a44b4	Venkata subbiah	Ravanamma	CSE	10.00	19	Da	2-2	746109575146
50	arundathi0508@gmail.com	PANDA UMA ARUNDATHI	21KP1A4474	PANDA NARAYANA RAO	PANDA PRASANNA LAKSHMI	DS	87.00	19	CSD	2-2	652650486629
51	chinnivignesh144@gmail.com	chinni vignesh teja yadav	21KP1A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80.00	19	Data Science	4th semester	639534870436

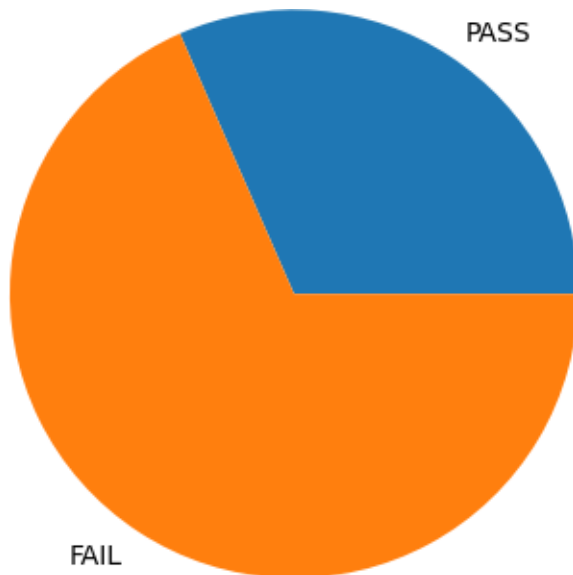
y=df5.CGPA.value_counts()
y

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

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

Visualizing the pass and fail percentage of students

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



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

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


Visualizing the CGPA values

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



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

df32

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

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

SUMMARY

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

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