

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

BACHELOR OF TECHNOLOGY

**By
DEPARTMENT OF DATASCIENCE**

PATCHA INDU PRIYA 21KP1A4476

Under the esteemed Guidance of

Er. S AKSHAY KUMAR

CS CODENZ



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CS CODENZ

GUDIVADA–521323, ANDHRA PRADESH., INDIA

2022-2023

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CERTIFICATE

This is to certify that dissertation entitled "**STUDENT DATABASE ANALYSIS USING PYTHON**" submitted by **PATCHA INDU PRIYA (21KP1A4476)** 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 AKSHAYKUMAR

CS CODENZ

Signature of the HOD

D.KOTESWARA RAO, MTech

Associate professor & HOD

Data Science, NRIIT

DECLARATION

I **PATCHA INDU PRIYA (21KP1A4476)** declared that the dissertation report entitled "**STUDENT DATABASE ANALYSIS USING PYTHON**" is no more than 1,00,000 words in length including quotes and exclusive of tables, figures, bibliography, and references.

Roll No

Name

Signature

21KP1A4476

PATCHA INDU
PRIYA

Date:

Place:

ACKNOWLEDGEMENT

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

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

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

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

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

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ABSTRACT

The Primary objective of this “**STUDENT DATABASE ANALYTICS USING PYTHON**” 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(8GB),ROM(512GB)and Processor(i3)
- Good latency internet access

SOFTWARE REQUIREMENTS

- Basic Search Engine(Google)
- MICROSOFTWORD
- MICROSOFTEXCEL
- JUPYTERNOTEBOOK

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.

DATAMUNGING

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 Panel Data's which are used to analyze the labeled data and relational data.

Series- A series is a method of pandas and labeled 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 label
plt.title('SimpleLinePlot')
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 Pandas Series Elements

WITH POSITION

WITH INDEX

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 WITHIN 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.[rowsxcolumns] We can create a table via Data Frame i.e., known as DATASET.

CREATING A DATASET-

```
#creating empty dataset import
pandas as
pda=pd.DataFrame()
print(a)
```

Empty Data Frame
Columns:
[] Index: []

Creating dataset using list-

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

```

0
010
120
230
340
450
```

Creating dataset using Dict-

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

```
a      b      c  
0102030
```

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

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

Creating dataset using Series

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

```
0  
010  
120  
230  
340
```

CREATIONOF DATASET -

Datasetexample

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vennachandana1@gmail.com	VennaChandana	21KP1A44C5	VennaRamanareddy
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shaiksakina05@gmail.com	Shaiksameer	21KP1A44A3	ShaikRahimbabu
us465249@gmail.com	S skusman	21KP1A4492	Sskmastanvali

```

import numpy as
npimportpandasaspd
importmatplotlib.pyplot
aspltimportplotly.express as px
Data=pd.read_excel('dsdbx.xlsx')#ReadingdatafromExcelfileprint
(Data)

```

	Timestamp	Email address\
0	2023-06-1314:24:58.772	vennachandana1@gmail.com
1	2023-06-1314:25:15.609	adilakshmi4765@gmail.com
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3	2023-06-1314:26:01.824	sandeepyeruva1124@gmail.com
4	2023-06-1314:26:13.848	sivajibejjanki@gmail.com
5	2023-06-1314:26:23.424	ramyayalabolu123r@gmail.com
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7	2023-06-1314:27:16.973	gayathripolepalli70@gmail.com

82023-06-13 14:27:41.072	syedtasleem07@gmail.com
92023-06-13 14:28:10.012	sowjanyathota11@gmail.com
102023-06-13 14:28:10.559	tammasahithi1@gmail.com
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172023-06-13 14:30:57.744	vanukuri.raghava@gmail.com
182023-06-13 14:33:16.842	shaiksakina05@gmail.com
192023-06-13 14:36:46.844	us465249@gmail.com
20	vallu.srinu756939@gmail.com
14:34:05.142 undelachandraobulareddy@gmail.com	2023-06-
1314:32:17.269	2023-06-
2	farukh.786syed@gmail.com
2023-06-13	14:33:08.038
anushayalabolu12@gmail.com	2023-06-13 14:33:16.147
	madhulathasure9@gmail.com
24	2023-06-13
14:34:00.504 thammisettsrikanthraj9@gmail.com	2023-06-
1314:34:24.599	2023-06-
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	indhupotla123@gmail.com
2023-06-13 14:44:45.168	38
392023-06-13 14:45:56.606	abdulabdu122070@gmail.com
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41 2023-06-13 15:01:15.615	40 rabbanishaik7356@gmail.com
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452023-06-13 20:39:54.489	46 mvkbn1312@gmail.com
46	2023-06-13 20:49:03.330
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12023-06-14 09:38:10.231	51 arundathi0508@gmail.com
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5	Y.Ramya	21KP1A44C8	Y.Anjaiah
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10	TammaSahithi	21KP1A44B0	Tammakrishnareddy

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12	shaik karishma	21KP1A4496	SHAIKBAJI
13	VenkataAravindKumar.V	21KP1A44C0	Veeraswamy.v
14	PatchaJaswanth	21KP1A4477	Patchaapparao
15	PachipulusuManohar	21KP1A4472	PachipulusuPrasad
16	Raghava	21KP1A44C3	Srinivasareddy
17	Shaiksameer	21KP1A44A3	ShaikRahimbabu
18	S skusman	21KP1A4492	Sskmastanvali
19	Vallu SrinuSiva Subrahmanyam	21KP1A44C1	ValluSrinivasaRao
20	UndelaChandraObulaReddy	21KP1A44B9	Undela ChinnaObulaReddy
21	SYED.FARUKH	21KP1A44A7	SYED.BAJI
22	Anushayalabolu	21KP1A44C7	Chinnaanjayya
23	SURE.MADHULATHA	21KP1A44A4	SURE.VISWANADHAM
24	T.Srikanth	21KP1A44B5	T.vasu
25	Shaikmobil	21KP1A4497	shaikkarimullah
26	Shaik.AbdulKhadar	21KP1A4493	Shaik.Kareem
27	Ravu.akshaya	21KP1A4485	Ravu.srinivasrao
28	hemasanjusha	21KP1A4491	musalareddy
29	YNagaSasiKumar	21KP1A44D0	YRamamohanarao
30	ShaikRahamtunnisa	21KP1A44A0	Shaik.mahaboobjani
31	Harika	22KP5A4401	A.Subramanyam
32	Indu PriyaPatcha	21KP1A4476	ApparaoPatcha
33	Bhavyasri	21KP1A4490	Mohankrishna
34	VejendlaDeviSriSudhamsha	21KP1A44C4	VejendlaSrinivassRao
35	Thanirru Bhanuvenkataprasad	21KP1A44B2	Tsathyanarayana
36	NikhithaRayapati	21KP1A4487	Rayapatihanumathrao
37	indhu priya	21KP1A4483	Lakshmanarayana
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45	R.M.V.K.BrahmaNaidu	21KP1A4489	Yedukondalu
46	NarraRajaSamba Siva Rao	21KP1A4471	NarraSrinivasaRao
47	Sairam	21kp1a44b4	Venkatasubbiah
48	Nallabothu.SriHarsha	21KP1A4469	Nallabothu.Anjaneyulu
49	Pulibhuvaneswar	21KP1A4484	Pulimallikarjuna
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0	VennaLakshmidevi	DS	8	19	
1	N.SriLakshmi	CSE	83	19	
2	Venkateswaramma	MECH	7	20	
3	Yeruva AnjaliDevi	CSE	9.5	20	
4	B.veramma	DS	0.72	23	
5	YLakshmiRajyam	DS	80	19	
6	P.Kavitha	DS	70	19	
7	POLEPALLI.SRIDEVI	DS	10	19	
8	SyedNaseema	MECH	8	19	
9	T.ARUNAKUMARI	DS	8	19	
10	TammaPadmavathi	DS	7.7	19	
11	PODILIADILAKSHMI	DS	7.5	19	
12	SHAIKKHADRUN	DS	9	19	
13	Lakshmi.v	DS	0.98	20	
14	Patchasukanya	CSE	0.99	20	

15	PachipulusuBhavani	MECH	8.5	19
16	Jyothi	DS	7	19
17	ShaikRaziya	DS	80	20
18	Mahabobba	DS	50	19
19	ValluSurya kumari	DS	73	20
20	UndelaGuruLakshmi	DS	9.2	20
21	SYED.SARTHAJBEGUM	DS	0.7	19
22	Lakshminarayana	DS	75	19
23	SURE.SAILAKSHMI	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.arunakumari	DS	80	19
28	sivaparvathi	CSE	73	18h
29	YLalitha	DS	9.2	20
30	Shaik.munni	DS	8	18
31	A.DhanaBhagyam	DS	75	19
32	RenukaPatcha	DS	0.75	18
33	Usharani	DS	70	19
34	VejendlaLaxmiPrasanna	CSE	70	19
35	Tramadevi	DS	9.6	19
36	Rayapatimalleswari	DS	80	19
37	Sujatha	CSE	72	19
38	Bandi.Krishnaveni	DS	90	20
39	shaik.Ramjanbee	CSE	70	19
40	SHAIKMALIN	DS	9.5	21
41	Yalamanchisunita	DS	75	19
42	T.Ramanjamma	DS	75	19
43	P.Seshu Kumari	DS	80	20
44	SHAIK SAIDAHUSSANBI	DS	80	20
45	Nirmala	DS	7	20
46	NarraRamadevi	DS	7.5	19
47	Ravanamma	CSE	10	19
48	Nallabothu.Anitha	DS	90	21
49	Puliramadevi	DS	8.3	21
50	PANDAPRASANNA LAKSHMI	DS	87	19
51	ChinniBhargavi	DS	80	19

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10	tammasahithi1@gmail.com
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13	Kumarvalaparla890@gmail.com
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34          sudhamshavejendla@gmail.com
35          bhanuthanirru@gmail.com
36          nikitharayapati9@gmail.com
37          indhupotla123@gmail.com
38          abdulabdul22070@gmail.com
39          jaffershak718@gmail.com
40          rabbanishaik7356@gmail.com
41          reshmayalamanchi@gmail.com
42      thiriveedhinagajyothi@gmail.com
43          paladugudurgal@gmail.com
44          Saidashaik371@gmail.com
45          mvkbn1312@gmail.com
46          nrajasambasivarao@gmail.com
47          saisairam068@gmail.com
48      Sriharshanallabothu@gmail.com
49          bhuvanstarpuli@gmail.com
50          arundathi0508@gmail.com
51          chinnivignesh144@gmail.com

```

	BRANCH	CURRENT SEMISTER\
0	Datascience	2-2
1	CSE-DS	II-II
2	mech	4
3	CSE	2-3
4	Computerscience	2-2
5	CSD	2-2
6	CSD	2.2
7	DataScience	2-2
8	DS	2-2
9	DATASCIENCE	2-2
10	CSE (Datascience)	2-2
11	DATASCIENCE	2-2
12	ds	2-2
13	DataScience	2-2
14	Datascience	2-2
15	NaN	2-2
16	Datascience	2-2
17	DS	2-2
18	DS	2-2
19	Computer ScienceEngineering & DataScience	4
20	ComputerScience	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	DataScience	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(DataScience)	2-2
44	DATASCIENCE	2-2
45	Datascience	2-2
46	CSD(Datascience)	4
47	Da	2-2
48	CSD	2-2
49	Datascience	2.2
50	CSD	2-2
51	DataScience	4th semester

	AADHAAR
0	NO6363369228
1	83
2	602515258256
3	930319053088
4	576154990146
5	895444662410
6	724574588425
7	810177524502
8	721819168061
9	617020354793
10	338666948901
11	685349832128
12	458689741091
13	663048521599
14	510305345824
15	744020413963
16	559366114423
17	424973081348
18	529261464345
19	568753875709
20	*****
21	693621780842
22	764320730678
23	830785066037
24	834708289154
25	776486062608
26	673112205183
27	904355656468
28	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
452387	70889424
46	835457902826
47	746109575146
48	208611060176
49	950519207474
50	652650486629
51	639534870436

PREPROCESSING THE DATA

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

```
<class  
'pandas.core.frame.DataFrame'> RangeInd  
ex:52entries, 0to51  
Datacolumns (total13columns):  
# Column Non-NullCount Dtype  
----  
0 Timestamp 52 non-null datetime64[ns]  
1 Emailaddress 52 non-null object  
2 STUDENTNAME 52 non-null object  
3 ROLLNUMBER 52 non-null object  
4 FATHERNAME 52 non-null object  
5 MOTHERNAME 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 CURRENTSEMISTER 52 non-null object  
12 AADHAARNO 52 non-null object  
dtypes:datetime64[ns] (1), object(12) me  
moryusage:5.4+KB  
Timestamp Emailaddress STUDENTNAME ROLLNUMBER FATHERNAME \  
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
18	True	True	True	True	True
19	True	True	True	True	True
20	True	True	True	True	True
21	True	True	True	True	True
22	True	True	True	True	True
23	True	True	True	True	True
24	True	True	True	True	True
25	True	True	True	True	True
26	True	True	True	True	True
27	True	True	True	True	True
28	True	True	True	True	True
29	True	True	True	True	True
30	True	True	True	True	True
31	True	True	True	True	True
32	True	True	True	True	True
33	True	True	True	True	True
34	True	True	True	True	True
35	True	True	True	True	True
36	True	True	True	True	True
37	True	True	True	True	True
38	True	True	True	True	True
39	True	True	True	True	True
40	True	True	True	True	True
41	True	True	True	True	True
42	True	True	True	True	True
43	True	True	True	True	True
44	True	True	True	True	True
45	True	True	True	True	True
46	True	True	True	True	True
47	True	True	True	True	True
48	True	True	True	True	True
49	True	True	True	True	True
50	True	True	True	True	True
51	True	True	True	True	True

MOTHERNAME COURSE CGPA AGE EMAIL BRANCH CURRENTSEMISTER \

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	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

AADHAARNO

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	Emailaddress	STUDE NT NAME	ROL L NUMBER	FATHER NAME	MOTHE RNAME	CO UR SE	C G P A	A G E	EMAIL	BRAN CH	CUR REN T SEM IST ER	AAD HAA RNO
0 2023-06-13 14:24:58.772	vennachandana1@gmail.com	Venna Chandana	21KP1A44C5	Venna Ramanareddy	Venna Lakshmi Devi	DS	8	19	vennachandana1@gmail.com	Data science	2-2	636336922883
1 2023-06-13 14:25:15.609	adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468	N.ManikyaRao	N.Sri Lakshmi	CS E	83	19	adilakshmi4765@gmail.com	CSE-DS	II-II	602515258256
2 2023-06-13 14:25:50.957	sravankumar7156@gmail.com	Sravan Kumar	21KP1A4488	Rama Chandra Rao	Venkateswaramma	ME CH	7	20	sravankumar7156@gmail.com	mech	4	930319053088
3 2023-06-13 14:26:01.824	sandeepyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1A44D1	Yeruva AjayKumarreddy	Yeruva Anjali Devi	CS E	9.5	20	sandeepyeruva1124@gmail.com	CSE	2-3	576154990146
4 2023-06-13 14:26:13.848	sivajibejjanki@gmail.com	B.sivaji	22kp5a4402	B.lakshma iah	B.veram ma	DS	0.72	23	sivajibejjanki@gmail.com	Computerscience	2-2	895444662410
5 2023-06-13 14:26:23.424	ramyayalabolu123r@gmail.com	Y.Ramy a	21KP1A44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80	19	ramyayalabolu123r@gmail.com	CSD	2-2	724574588425
6 2023-06-13 14:27:05.330	charithareddy3914@gmail.com	P.charith areddy	21KP1A4475	P.MadhavaReddy	P.Kavitha	DS	70	19	charithareddy3914@gmail.com	CSD	2.2	810177524502
7 2023-06-13 14:27:16.973	gayathripolepalli70@gmail.com	POLEP ALLI.G AYAT HRI	21KP1A4481	POLEPALI.GURUBRAHMAC HARI	POLEPALI.SRI DEVI	DS	10	19	gayathripolepalli70@gmail.com	Data Science	2-2	721819168061

Time stamp	Emailaddress	STUDE NT NAME	ROL L NUM BER	FATHER NAME	MOTHE RNAME	CO UR SE	C G P A	A G E	EMAIL	BRAN CH	CUR REN T SEM IST ER	AAD HAA RNO
2023-06-13 14:27:41.072	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1A44A9	Syed Rahiman	Syed Naseema	MECH	8	19	syedtasleem07@gmail.com	DS	2-2	617020354793
2023-06-13 14:28:10.012	sowjanyathota11@gmail.com	T.SOWJANYA	21KP1A44B6	T.SAMBA SIVARAO	T.ARUN A KUMARI	DS	8	19	sowjanyathota11@gmail.com	DATA SCIENCE	2-2	338666948901
2023-06-13 14:28:10.559	tammashithi1@gmail.com	Tamma Sahithi	21KP1A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.7	19	tammashithi1@gmail.com	CSE (Data scienc e)	2-2	685349832128
2023-06-13 14:28:34.026	podilisarayu6@gmail.com	PODILILAKSHMISARAYU	21KP1A4480	PODILI RAMESH	PODILI ADILAKSHMI	DS	7.5	19	Podilisarayu6@gmail.com	DATA SCIENCE	2-2	458689741091
2023-06-13 14:28:43.092	shaikkarishma811@gmail.com	shaik karishma	21KP1A4496	SHAIK BAJI	SHAIK KHADR UN	DS	9	19	shaikkarishma811@gmail.com	ds	2-2	663048521599
2023-06-13 14:28:57.412	kumarvalaparla890@gmail.com	Venkata Aravind Kumar. V	21KP1A44C0	Veeraswamy.v	Lakshmi. v	DS	0.98	20	Kumarvalaparla890@gmail.com	Data Scienc e	2-2	510305345824
2023-06-13 14:30:05.091	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1A4477	Patcha apparao	Patcha sukanya	CSE	0.99	20	Patchachinnu@gmail.com	Data scienc e	2-2	744020413963
2023-06-13 14:30:05.577	manu952041@gmail.com	Pachipulusu Manohar	21KP1A4472	PachipulusuPrasad	Pachipulusu Bhavani	MECH	8.5	19	manu952041@gmail.com	Nan	2-2	559366114423

Time stamp	Emailaddress	STUDE NT NAME	ROL L NUMBER	FATHER NAME	MOTHE RNAME	CO UR SE	C G P A	A G E	EMAIL	BRAN CH	CUR REN T SEM IST ER	AAD HAA RNO
1 6 2023-06-13 14:30:07.913	vanukuri.raghava@gmail.com	Raghava	21KP1A44C3	Srinivasa reddy	Jyothi	DS	7	19	vanukuri.raghava@gmail.com	Data science	2-2	424973081348
1 7 2023-06-13 14:30:57.744	shaiksakina05@gmail.com	Shaik sameer	21KP1A44A3	Shaik Rahim babu	Shaik Raziya	DS	80	20	Shaiksakina05@gmail.com	DS	2-2	529261464345
1 8 2023-06-13 14:33:16.842	us465249@gmail.com	S skusman	21KP1A4492	S skmastan vali	Mahabob ba	DS	50	19	us465249@gmail.com	DS	2-2	568753875709
1 9 2023-06-13 14:36:46.844	vallu.srinu756939@gmail.com	Vallu SrinuSivaSubrahmanyam	21KP1A44C1	Vallu Srinivasa Rao	Vallu Suryakumari	DS	73	20	vallu.srinu756939@gmail.com	ComputerScience Engineering & Data Science	4	***** ***** ***
2 0 2023-06-13 14:40:05.142	undelachandraobulareddy@gmail.com	Undela Chandra ObulaR eddy	21KP1A44B9	Undela Chinna Obula Reddy	Undela GuruLaks hmi	DS	9.2	20	undelachandraobulareddy@gmail.com	ComputerScience	2-2	693621780842
2 1 2023-06-13 14:22:17.269	farukh.786syed@gmail.com	SYED.F ARUKH	21KP1A44A7	SYED.BA JI	SYED.S ARTHAJ BEGUM	DS	0.7	19	farukh.786syed@gmail.com	DS	2-2	764320730678
2 2 2023-06-13 14:33:08.038	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1A44C7	Chinna anjayya	Lakshmi narayana ma	DS	75	19	anushayalabolu12@gmail.com	CSD	2-2	830785066037
2 3 2023-06-13 14:33:16.147	madhulathasure9@gmail.com	SURE. MADH ULATH A	21KP1A44A4	SURE.VIS WANAD HAM	SURE.S AI LAKSH MI	DS	10	20	madhulathasure9@gmail.com	Data science	2-2	776486062608

Time stamp	Emailaddress	STUDE NT NAME	ROL L NUMBER	FATHER NAME	MOTHE RNAME	CO UR SE	C G P A	A G E	EMAIL	BRAN CH	CUR REN T SEM IST ER	AAD HAA RNO
2023-06-13 14:34:00.504	thammisettsrika nthraj9@gmail.com	T.Srikanth	21KP1A44B5	T.vasu	T.jaya	DS	0.75	19	thammisettsrika nthraj9@gmail.com	Data Science	2-2	673112205183
2023-06-13 14:34:24.599	shiakmobin2002@gmail.com	Shaikmobin	21KP1A4497	shaik karimullah	Shaik rihanna	DS	8.8	21	mobinsk9966@gmail.com	Ds	2.2	904355656468
2023-06-13 14:34:24.985	abdulkhadar6842@gmail.com	Shaik.Abdul Khadar	21KP1A4493	Shaik.Kareem	Shaik.Farjana	EE	8	20	abdulkhadar6842@gmail.com	Nan	2-2	334708289154
2023-06-13 14:34:31.602	ravuakshaya@gmail.com	Ravu.akshaya	21KP1A4485	Ravu.srinivasrao	Ravu.arunakumari	DS	80	19	ravuakshaya@gmail.com	Ds	2.2	544305783128
2023-06-13 14:34:41.989	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1A4491	musalared dy	sivaparvathi	CS E	73	18h	hemasanjushasanikommu828@gmail.com	cse	2-2	422314863763
2023-06-13 14:34:52.277	ynagasasikumar@gmail.com	YNaga Sasi Kumar	21KP1A44D0	Y Ramamohnarao	Y Lalitha	DS	9.2	20	ynagasasikumar@gmail.com	Nan	2-2	448172496292
2023-06-13 14:35:26.194	rahamtunnisashai k09@gmail.com	Shaik Rahamtunnisa	21KP1A44A0	Shaik.mahaboobjani	Shaik.munnni	DS	8	18	rahamtunnisashai k09@gmail.com	Data science	2-2	406976169351
2023-06-13 14:37:08.022	harikabangaram313@gmail.com	Harika	22KP5A4401	A.Subramanyam	A.Dhana Bhagyam	DS	75	19	harikaaval5@gmail.com	Data science	2-2	574930568520

Time stamp	Emailaddress	STUDE NT NAME	ROL L NUM BER	FATHER NAME	MOTHE RNAME	CO UR SE	C G P A	A G E	EMAIL	BRAN CH	CUR REN T SEM IST ER	AAD HAA RNO
2023-06-13 14:37:44.545	indupriya72216@gmail.com	Indu PriyaPatcha	21KP1A4476	Appa raoPat cha	Renuka Patcha	DS	0.75	18	indupriya72216@gmail.com	Data Science	2-2	573041880949
2023-06-13 14:37:53.042	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1A4490	Mohan krishna	Usharani	DS	70	19	bhavyasrisajja2003@gmail.com	Ds	2-2	274736890047
2023-06-13 14:38:20.561	sudhamshavejendla@gmail.com	Vejendla Devi SriSudham sha	21KP1A44C4	Vejendla Srinivass Rao	Vejendla LaxmiPr asanna	CS E	70	19	sudhamshavejendla@gmail.com	Cse-DataScienc e	2_2	587480445790
2023-06-13 14:39:17.885	bhanuthanirru@gmail.com	Thanirru Bhanuv enkatap rasad	21KP1A44B2	T sathyana ranya	T rama devi	DS	9.6	19	bhanuthanirru@gmail.com	NaN	2-2	357228202835
2023-06-13 14:40:40.869	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80	19	nikitharayapati9@gmail.com	Ds	2-2	963360828294
2023-06-13 14:44:05.463	indhupotla123@gmail.com	indhu priya	21KP1A4483	Lakshman arayana	Sujatha	CS E	72	19	indhupotla123@gmail.com	cse	2-2	524345891620
2023-06-13 14:44:45.168	abdulabdul22070@gmail.com	Syed.Abdul Rehman	21KP1A44A6	Syed.Meer aSharif	Bandi.Krishnaveni	DS	90	20	abdulabdul22070@gmail.com	DS	2-2	347853509974
2023-06-13 14:45:56.606	jaffershaik718@gmail.com	Jaffer shaik	21KP1A4495	shaik.LaiLaha	shaik.Ramjanbee	CS E	70	19	jaffershaik718@gmail.com	cse	2nd	912229276699

Time stamp	Emailaddress	STUDE NT NAME	ROL L NUM BER	FATHER NAME	MOTHE RNAME	CO UR SE	C G P A	A G E	EMAIL	BRAN CH	CUR REN T SEM IST ER	AAD HAA RNO
4 0 2023-06-13 14:50:28.282	rabbanishaik7356@gmail.com	SHAIK RABBA NI	21KP1A4499	SHAIK MOHAM MAD HANIF	SHAIK MALIN	DS	9.5	21	rabbanishaik7356@gmail.com	CSD	2-2	205933956204
4 1 2023-06-13 15:01:15.615	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1A44C9	Yalamanc hisubba Rao	Yalamanchi sunitha	DS	75	19	reshmayalamanchi@gmail.com	DS	4	742366316353
4 2 2023-06-13 15:04:23.806	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1A44B7	T. Venkayya	T. Ramanamma	DS	75	19	thiriveedhinagajyothi@gmail.com	DS	4	330477145525
4 3 2023-06-13 15:16:34.142	paladugudurga1@gmail.com	P.Durga Sri	21KP1A4473	P. Amareswara rao	P. SeshuKumari	DS	80	20	paladugudurga1@gmail.com	CSD(Data Scienc e)	2-2	692162661608
4 4 2023-06-13 17:37:00.290	saidashaik371@gmail.com	SHAIK SAIDA ANWA R BASHA	21KP1A44A2	SHAIK KUDHAN VALI	SHAIK SAIDAH USSAN BI	DS	80	20	Saidashaik371@gmail.com	DATA SCIENCE	2-2	466722650274
4 5 2023-06-13 20:39:54.489	mvkbn1312@gmail.com	R.M.V. K.Brah ma Naidu	21KP1A4489	Yedukond alu	Nirmala	DS	7	20	mvkbn1312@gmail.com	Data scienc e	2-2	238770889424
4 6 2023-06-13 20:49:03.330	nrajasambasivara o@gmail.com	Narra RajaSam baSivaRao	21KP1A4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.5	19	nrajasambasivara o@gmail.com	CSD (Data scienc e)	4	835457902826
4 7 2023-06-14 09:22:24.620	saisairam068@gmail.com	Sairam	21kp1a44b4	Venkata subbiah	Ravanama	CS E	10	19	saisairam068@gmail.com	Da	2-2	746109575146

Time stamp	Emailaddress	STUDE NT NAME	ROL L NUMBER	FATHER NAME	MOTHE RNAME	C O UR SE	C G P A	A G E	EMAIL	BRAN CH	CUR REN T SEM IST ER	AAD HAA RNO
2023-06-14 09:34:41.202	sriharshanallabot hu@gmail.com	Nallabot hu. SriHar sha	21KP 1A44 69	Nallabothu . Anjaneyulu	Nallaboth u.Anitha	DS	90	2 1	Sriharshanallabot hu@gmail.com	CSD	2-2	20861 10601 76
2023-06-14 09:37:41.272	bhuvanstarpuli@gmail.com	Puli bhuvane swar	21KP 1A44 84	Puli mallikarju na	Puli ramadevi	DS	8. 3	2 1	bhuvanstarpuli@gmail.com	Data scienc e	2.2	95051 92074 74
2023-06-14 09:37:48.696	arundathi0508@gmail.com	PANDA UMAA RUND ATHI	21KP 1A44 74	PANDA NARAYA NARAO	PANDA PRASAN NA LAKSH MI	DS	87	1 9	arundathi0508@gmail.com	CSD	2-2	65265 04866 29
2023-06-14 09:38:10.231	chinnivignesh144@gmail.com	chinni vignesh teja yadav	21KP 1A44 C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80	1 9	chinnivignesh144@gmail.com	Data Scienc e	4th seme ster	63953 48704 36

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

```
Emailaddress          0
STUDENTNAME          0
ROLLNUMBER           0
FATHERNAME           0
MOTHERNAME           0
COURSE               0
CGPA                0
AGE                 0
BRANCH              4
CURRENTSEMISTER     0
AADHAARNO            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   Emailaddress      52 non-null    object  
 1   STUDENTNAME      52 non-null    object  
 2   ROLLNUMBER        52 non-null    object  
 3   FATHERNAME        52 non-null    object  
 4   MOTHERNAME        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   CURRENTSEMISTER   52 non-null    object  
 10  AADHAARNO        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', 'AADHAARNO'],  
dtype='object')
```

```
Data.rename(columns={'Emailaddress':'Gmail','CURRENT  
SEMISTER':'SEMISTER','AADHAARNO':'UIDAINO'},inplace=True)  
print(Data.columns)
```

```
Index(['Gmail', 'STUDENT NAME', 'ROLL NUMBER', 'FATHER NAME', 'MOTHER  
NAME', 'COURSE', 'CGPA', 'AGE', 'BRANCH', 'SEMISTER', 'UIDAINO'],  
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)
a

```

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

GRADUATION	STUDENTNAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AVERAGE	BRA NCH	SEMESTER	UID AI NO
7	gayathripolepalli70@gmail.com	POLEPALI. GAYATHRI	21KP1A4481	POLEPALLI. GURUBRAH MACHARI	POLEPALLI.SRIDEVI	DS	10.00	19	Data Science	2-2 721819 168061
8	syedtasleem07@gmail.com	Syed Tasleem Afrose	21KP1A44A9	Syed Rahiman	Syed Naseema	MECH	8.00	19	DS	2-2 617020 354793
9	sowjanyathota11@gmail.com	T.SOWJANYA	21KP1A44B6	T.SAMBA SIVARAO	T.ARUNA KUMARI	DS	8.00	19	DATA SCIENCE	2-2 338666 948901
10	tammasahithi1@gmail.com	Tamma Sahithi	21KP1A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.70	19	CSE (Data science)	2-2 685349 832128
11	podilisarayu6@gmail.com	PODILI LAKSHMI SARAYU	21KP1A4480	PODILI RAMESH	PODILI ADILAKSHMI	DS	7.50	19	DATA SCIENCE	2-2 458689 741091
12	shaikkarishma811@gmail.com	shaik karishma	21KP1A4496	SHAIKBAJI	SHAIK KHADRUNK	DS	9.00	19	ds	2-2 663048 521599
13	kumarvalaparla890@gmail.com	Venkata Aravind Kumar.V	21KP1A44C0	Veeraswamy.v	Lakshmi.v	DS	0.98	20	Data Science	2-2 510305 345824
14	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1A4477	Patcha apparaao	Patcha sukanya	CSE	0.99	20	Data science	2-2 744020 413963
15	manu952041@gmail.com	Pachipulu su Manohar	21KP1A4472	Pachipulusu Prasad	PachipulusuBhavani	MECH	8.50	19	Data Science	2-2 559366 114423
16	vanukuri.raghava@gmail.com	Raghava	21KP1A44C3	Srinivasa reddy	Jyothi	DS	7.00	19	Data science	2-2 424973 081348
17	shaiksakina05@gmail.com	Shaik sameer	21KP1A44A3	ShaikRahim babu	Shaik Raziya	DS	80.00	20	DS	2-2 529261 464345
18	us465249@gmail.com	S skusman	21KP1A4492	Sskmastan vali	Mahabobba	DS	50.00	19	DS	2-2 568753 875709
19	vallu.srinu756939@gmail.com	Vallu Srinu SivaSubrahmanyam	21KP1A44C1	Vallu Srinivasa Rao	ValluSurya kumari	DS	73.00	20	Computer Science Engineering& DataScience	4 **** ***
20	undelachandraobulareddy@gmail.com	Undela Chandra Obula Reddy	21KP1A44B9	Undela Chinna Obula Reddy	Undela GuruLakshmi	DS	9.20	20	Computer Science	2-2 693621 780842

GRADUATION	STUDENTNAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AVERAGE	BRA NCH	SEMISTER	UID AI NO
21	farukh.786syed@gmail.com	SYED.FARUKH	21KP1A44A7	SYED.BAJI	SYED.SARTHAJ BEGUM	DS	0.70	19	DS	2-2 764320 730678
22	anushayalabolu12@gmail.com	Anushayalabolu	21KP1A44C7	Chinna anjayya	Lakshmi narayana ma	DS	75.00	19	CSD	2-2 830785 066037
23	madhulathasure9@gmail.com	SURE.MADHULATHA	21KP1A44A4	SURE.VISWANADHAM	SURE.SAI LAKSHMI	DS	10.00	20	Data science	2-2 776486 062608
24	thammisetysrikanthraj9@gmail.com	T.Srikanth	21KP1A44B5	T.vasu	T.jaya	DS	0.75	19	Data Science	2-2 673112 205183
25	shiakmobin2002@gmail.com	Shaikmobin	21KP1A4497	shaik karimullah	Shaik rihana	DS	8.80	21	Ds	2.2 904355 656468
26	abdulkhadar6842@gmail.com	Shaik.Abd ulKhadar	21KP1A4493	Shaik.Kareem	Shaik.Farjana	EC E	8.00	20	Data Science	2-2 334708 289154
27	ravuakshaya@gmail.com	Ravu.aks haya	21KP1A4485	Ravu.srinivasa rao	Ravu.aruna kumari	DS	80.00	19	Ds	2.2 544305 783128
28	hemasanjushasanikom mu828@gmail.com	hema sanjusha	21KP1A4491	musalareddy	sivaparvathi	CS E	73.00	18h	cse	2-2 422314 863763
29	ynagasasikumar@gmail.com	YNaga Sasi Kumar	21KP1A44D0	Y Ramamohana rao	Y Lalitha	DS	9.20	20	Data Science	2-2 448172 496292
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtun nisa	21KP1A44A0	Shaik.maha boobjani	Shaik.munni	DS	8.00	18	Data science	2-2 406976 169351
31	harikabangaram313@gmail.com	Harika	22KP5A4401	A.Subramanyam	A.Dhana Bhagyam	DS	75.00	19	Data science	2-2 574930 568520
32	indupriya72216@gmail.com	InduPriya Patcha	21KP1A4476	Apparao Patcha	Renuka Patcha	DS	0.75	18	Data Science	2-2 573041 880949
33	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1A4490	Mohan krishna	Usharani	DS	70.00	19	Ds	2-2 274736 890047
34	sudhamshavejendla@gmail.com	Vejendla DeviSriSudhams ha	21KP1A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CS E	70.00	19	Cse-DataScience	2-2 587480 445790
35	bhanuthanirru@gmail.com	Thanirru Bhanu venkata prasad	21KP1A44B2	T sathyaranayana	Trama devi	DS	9.60	19	Data Science	2-2 357228 202835

GRADUATION	STUDENTNAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AVERAGE	BRA NCH	SEMESTER	UID AI 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	CS E	72.00	19	cse	2-2 524345 891620
38	abdulabdul22070@gmail.com	Syed.Abd ul Rehaman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krishnaveni	DS	90.00	20	DS	2-2 347853 509974
39	jaffershaik718@gmail.com	Jaffer shaik	21KP1 A4495	shaik.LaiLaha	shaik.Ramjanbee	CS E	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 subbaRao	Yalamanchi sunitha	DS	75.00	19	DS	4 742366 316353
42	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1 A44B7	T.Venkayya	T. Ramanjamma	DS	75.00	19	DS	4 330477 145525
43	paladugudurga1@gmail.com	P.Durga Sri	21KP1 A4473	P. Amareswara rao	P. Seshu Kumari	DS	80.00	20	CSD(Data Science)	2-2 692162 661608
44	saidashaik371@gmail.com	SHAIK SAIDAA NWARB ASHA	21KP1 A44A2	SHAIK KUDHAN VALI	SHAIK SAIDAHUS SANBI	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 RajaSambavaSiva Rao	21KP1 A4471	Narra SrinivasaRa o	Narra Ramadevi	DS	7.50	19	CSD (Data science)	4 835457 902826
47	saisairam068@gmail.com	Sairam	21kp1a 44b4	Venkata subbiah	Ravanamma	CS E	10.00	19	Da	2-2 746109 575146
48	sriharshanallabothu@gmail.com	Nallabothu. SriHar sha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90.00	21	CSD	2-2 208611 060176
49	bhuvanstarpuli@gmail.com	Puli bhuvanes war	21KP1 A4484	Puli mallikarjuna	Puli ramadevi	DS	8.30	21	Data science	2.2 950519 207474

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

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

	Gmail	STUDENTNAME
0	vennachandana1@gmail.com	VennaChandana
1	adilakshmi4765@gmail.com	N.Venkatesh
2	sravankumar7156@gmail.com	SravanKumar
3	sandeepyeruval124@gmail.com	Yeruvasandeepreddy
4	sivajibejjanki@gmail.com	B.sivaji
5	ramyayalabolu123r@gmail.com	Y.Ramya
6	charithareddy3914@gmail.com	P.charithareddy
7	gayathripolepalli70@gmail.com	POLEPALLI.GAYATHRI
8	syedtasleem07@gmail.com	SyedTasleemAfroze
9	sowjanyathota11@gmail.com	T.SOWJANYA
10	tammasaithil1@gmail.com	TammaSahithi
11	podilisarayu6@gmail.com	PODILILAKSHMISARAYU
12	shaikkarishma811@gmail.com	shaikkarishma
13	kumarvalaparla890@gmail.com	VenkataAravindKumar.V
14	patchachinnu3@gmail.com	PatchaJaswanth
15	manu952041@gmail.com	PachipulusuManohar
16	vanukuri.raghava@gmail.com	Raghava
17	shaiksakina05@gmail.com	Shaiksameer
18	us465249@gmail.com	Sskusman
19	vallu.srinu756939@gmail.com	ValluSrinuSivaSubrahmanyam
20	undelachandraobulareddy@gmail.com	UndelaChandraObula Reddy
21	farukh.786syed@gmail.com	SYED.FARUKH
22	anushayalabolu12@gmail.com	Anushayalabolu
23	madhulathasure9@gmail.com	SURE.MADHULATHA
24	thammisettyrikantraj9@gmail.com	T.Srikanth
25	shiakmobin2002@gmail.com	Shaikmobin
26	abdulkhadar6842@gmail.com	Shaik.AbdulKhadar
27	ravuakshaya@gmail.com	Ravu.akshaya
28	hemasanjushasanikommu828@gmail.com	hemasanjusha
29	ynagasasikumar@gmail.com	Y Naga SasiKumar
30	rahamtunnisaishaik09@gmail.com	ShaikRahamtunnisa

31	harikabangaram313@gmail.com	Harika
32	indupriya72216@gmail.com	InduPriyaPatcha
33	bhavyasrisajja2003@gmail.com	Bhavyasri
34	sudhamshavejendla@gmail.com	VejendlaDeviSriSudhamsha
35	bhanuthanirru@gmail.com	ThanirruBhanu venkataprasad
36	nikitharayapati9@gmail.com	NikhithaRayapati
37	indhupotla123@gmail.com	indhupriya
38	abdulabdul22070@gmail.com	Syed.AbdulRehaman
39	jaffershaik718@gmail.com	Jaffershaik
40	rabbanishaik7356@gmail.com	SHAIKRABBANI
41	reshmayalamanchi@gmail.com	Reshmayalamanchi
42	thiriveedhinagajyothi@gmail.com	T.Nagajyothi
43	paladugudurga1@gmail.com	P.DurgaSri
44	saidashaik371@gmail.com	SHAIK SAIDAANWAR BASHA
45	mvkbn1312@gmail.com	R.M.V.K.BrahmaNaidu
46	nrajasambasivarao@gmail.com	NarraRajaSambaSivaRao
47	saisairam068@gmail.com	Sairam
48	sriharshanallabothu@gmail.com	Nallabothu.SriHarsha
49	bhuvanstarpuli@gmail.com	Pulibhuvaneswar
50	arundathi0508@gmail.com	PANDAUMAARUNDATHI
51	chinnivignesh144@gmail.com	chinnivigneshtejayadavROLL

NUMBER	FATHERNAME	MOTHERNAME\
0	21KP1A44C5	Venna Ramanareddy
1	21KP1A4468	N.ManikyaRao
2	21KP1A4488	RamaChandraRao
3	21KP1A44D1	Yeruva AjayKumarreddy
4	22kp5a4402	B.lakshmaiah
5	21KP1A44C8	Y.Anjaiah
6	21KP1A4475	P.MadhavaReddy
7	21KP1A4481	POLEPALLI.GURUBRAHMA CHARI
8	21KP1A44A9	SyedRahiman
9	21KP1A44B6	T.SAMBASIVARAO
10	21KP1A44B0	Tammakrishnareddy
11	21KP1A4480	PODILIRAMESH
12	21KP1A4496	SHAIKBAJI
13	21KP1A44C0	Veeraswamy.v
14	21KP1A4477	Patchaapparao
15	21KP1A4472	PachipulusuPrasad
16	21KP1A44C3	Srinivasareddy
17	21KP1A44A3	ShaikRahimbabu
18	21KP1A4492	Sskmastanvali
19	21KP1A44C1	ValluSrinivasaRao
20	21KP1A44B9	UndelaChinnaObulaReddy
21	21KP1A44A7	SYED.BAJI
22	21KP1A44C7	Chinnaanjayya
23	21KP1A44A4	SURE.VISWANADHAM
24	21KP1A44B5	T.vasu
25	21KP1A4497	shaikkarimullah
26	21KP1A4493	Shaik.Kareem
27	21KP1A4485	Ravu.srinivasrao
28	21KP1A4491	musalareddy
29	21KP1A44D0	YRamamohanaraao
30	21KP1A44A0	Shaik.mahaboobjani
31	22KP5A4401	A.Subramanyam
32	21KP1A4476	ApparaoPatcha
33	21KP1A4490	Mohankrishna
34	21KP1A44C4	VejendlaSrinivassRao
		VejendlaLaxmiPrasanna

35	21KP1A44B2	Tsathyanarayana	Trama devi
36	21KP1A4487	Rayapatihanumathrao	Rayapatimalleswari
37	21KP1A4483	Lakshmanarayana	Sujatha
38	21KP1A44A6	Syed.MeeraSharif	Bandi.Krishnaveni
39	21KP1A4495	shaik.LaiLaha	shaik.Ramjanbee
40	21KP1A4499	SHAIKMOHAMMADHANIF	SHAIKMALIN
41	21KP1A44C9	YalamanchisubbaRao	Yalamanchisunitha
42	21KP1A44B7	T. Venkayya	T.Ramanjamma
43	21KP1A4473	P.Amareswararao	P. SeshuKumari
44	21KP1A44A2	SHAIKKUDHANVALI	SHAIKSAIDAHUSSANBI
45	21KP1A4489	Yedukondalu	Nirmala
46	21KP1A4471	Narra SrinivasaRao	NarraRamadevi
47	21kp1a44b4	Venkata subbiah	Ravanamma
48	21KP1A4469	Nallabothu.Anjaneyulu	Nallabothu.Anitha
49	21KP1A4484	Pulimallikarjuna	Puliramadevi
50	21KP1A4474	PANDANARAYANARAO	PANDAPRASANNALAKSHMI
51	21KP1A44C6	ChinniPratapKumar	ChinniBhargavi

	COURSE	CGPA	AGE	BRANCH\
0	DS	8.00	19	Datascienc
1	CSE	83.00	19	CSE-DS
2	MECH	7.00	20	mech
3	CSE	9.50	20	CSE
4	DS	0.72	23	Computerscience
5	DS	80.00	19	CSD
6	DS	70.00	19	CSD
7	DS	10.00	19	DataScience
8	MECH	8.00	19	DS
9	DS	8.00	19	DATASCIENCE
10	DS	7.70	19	CSE (Datascienc)
11	DS	7.50	19	DATASCIENCE
12	DS	9.00	19	ds
13	DS	0.98	20	DataScience
14	CSE	0.99	20	Datascienc
15	MECH	8.50	19	DataScience
16	DS	7.00	19	Datascience
17	DS	80.00	20	DS
18	DS	50.00	19	DS
19	DS	73.00	20	ComputerScienceEngineering&DataScience
20	DS	9.20	20	ComputerScience
21	DS	0.70	19	DS
22	DS	75.00	19	CSD
23	DS	10.00	20	Datascienc
24	DS	0.75	19	DataScience
25	DS	8.80	21	Ds
26	ECE	8.00	20	DataScience
27	DS	80.00	19	Ds
28	CSE	73.0018h		cse
29	DS	9.20	20	DataScience
30	DS	8.00	18	Datascience
31	DS	75.00	19	Datascience
32	DS	0.75	18	DataScience
33	DS	70.00	19	Ds
34	CSE	70.00	19	Cse-DataScience
35	DS	9.60	19	DataScience
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(DataScience)
44	DS	80.00	20	DATASCIENCE
45	DS	7.00	20	Datascience
46	DS	7.50	19	CSD (Datascience)
47	CSE	10.00	19	Da
48	DS	90.00	21	CSD
49	DS	8.30	21	Datascience
50	DS	87.00	19	CSD
51	DS	80.00	19	DataScience

	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	2238770889424
46	4	835457902826
47	2-2	746109575146
48	2-2	208611060176
49	2.2	950519207474
50	2-2	652650486629
51	4th semester	639534870436

Data[Data['CGPA'] > 8.0]

Gmail	STUDENTNAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRA NCH	SEMISTER	UID AI NO
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468	N.Manikya Rao	N.Sri Lakshmi	CS E	83.0	19	CSE-DS	II-II 602515 258256
3	sandeepyeyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1A44D1	Yeruva AjayKumarreddy	Yeruva AnjaliDevi	CS E	9.5	20	CSE	2-3 576154 990146
5	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A44C8	Y.Anjaiah	Y LakshmiRajaram	DS	80.0	19	CSD	2-2 724574 588425
6	charithareddy3914@gmail.com	P.charithareddy	21KP1A4475	P.Madhava Reddy	P.Kavitha	DS	70.0	19	CSD	2.2 810177 524502
7	gayathripolepalli70@gmail.com	POLEP ALLI.G AYATHRI	21KP1A4481	POLEPALLI. GURUBRAH MACHARI	POLEPALLI.SRIDEVI	DS	10.0	19	Data Science	2-2 721819 168061
12	shaikkarishma811@gmail.com	shaik karishma	21KP1A4496	SHAIKBAJI	SHAIK KHADRUN	DS	9.0	19	ds	2-2 663048 521599
15	manu952041@gmail.com	Pachipulusu Manohar	21KP1A4472	Pachipulusu Prasad	PachipulusuBhavani	ME CH	8.5	19	Data Science	2-2 559366 114423
17	shaiksakina05@gmail.com	Shaik sameer	21KP1A44A3	ShaikRahim babu	Shaik Raziya	DS	80.0	20	DS	2-2 529261 464345
18	us465249@gmail.com	S skusman	21KP1A4492	Sskmastan vali	Mahabobba	DS	50.0	19	DS	2-2 568753 875709
19	vallu.srinu756939@gmail.com	Vallu SrinuSivaSubrahmanyam	21KP1A44C1	Vallu Srinivasa Rao	ValluSurya kumari	DS	73.0	20	Computer Science Engineering& DataSci	4 ***** ***

GRADUATION	STUDENTNAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRA NCH	SEMISTER	UID AI NO
20	undelachandraobulareddy@gmail.com	Undela Chandra Obula Reddy	21KP1A44B9	Undela ChinnaObula Reddy	Undela GuruLakshmi	DS	9.2	20	Computer Science	2-2 693621 780842
22	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1A44C7	Chinna anjayya	Lakshminarayana	DS	75.0	19	CSD	2-2 830785 066037
23	madhulathasure9@gmail.com	SURE. MADHU LATHA	21KP1A44A4	SURE.VISWANADHAM	SURE.SAI LAKSHMI	DS	10.0	20	Data science	2-2 776486 062608
25	shiakmobin2002@gmail.com	Shaikmobin	21KP1A4497	shaik karimullah	Shaik rihana	DS	8.8	21	Ds	2.2 904355 656468
27	ravuakshaya@gmail.com	Ravu.ak shaya	21KP1A4485	Ravu.srinivasa rao	Ravu.aruna kumari	DS	80.0	19	Ds	2.2 544305 783128
28	hemasanjushasanikom mu828@gmail.com	hema sanjusha	21KP1A4491	musalareddy	sivaparvathi	CS E	73.0	18h	cse	2-2 422314 863763
29	ynagasakiumar@gmail.com	YNaga Sasi Kumar	21KP1A44D0	Y Ramamohana rao	Y Lalitha	DS	9.2	20	Data Science	2-2 448172 496292
31	harikabangaram313@gmail.com	Harika	22KP5A4401	A.Subramanyam	A.Dhana Bhagym	DS	75.0	19	Data science	2-2 574930 568520
33	bhavyasrisaja2003@gmail.com	Bhavya sri	21KP1A4490	Mohan krishna	Usharani	DS	70.0	19	Ds	2-2 274736 890047
34	sudhamshavejendla@gmail.com	Vejendla Devi SriSudham sha	21KP1A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CS E	70.0	19	Cse-DataScience	2_2 587480 445790
35	bhanuthanirru@gmail.com	Thanirru Bhanu venkataprasad	21KP1A44B2	T sathyaranayana	Tramadevi	DS	9.6	19	Data Science	2-2 357228 202835
36	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80.0	19	Ds	2-2 963360 828294
37	indhupotla123@gmail.com	indhu priya	21KP1A4483	Lakshmanarayana	Sujatha	CS E	72.0	19	cse	2-2 524345 891620
38	abdulabdul22070@gmail.com	Syed.Abdul Rehman	21KP1A44A6	Syed.Meera Sharif	Bandi.Krishnaveni	DS	90.0	20	DS	2-2 347853 509974
39	jaffershaik718@gmail.com	Jaffer shaik	21KP1A4495	shaik.LaiLaha	shaik.Ramjanbee	CS E	70.0	19	cse	2nd 912229 276699

Gmail	STUDENTNAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRA NCH	SEMIST ER	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 subbaRao	Yalamanchi sunitha	DS	75.0	19	DS	4 742366 316353
42	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1 A44B7	T.Venkayya	T. Ramanjam ma	DS	75.0	19	DS	4 330477 145525
43	paladugudurga1@gmail.com	P. Durga Sri	21KP1 A4473	P. Amareswara rao	P. Seshu Kumari	DS	80.0	20	CSD(Data Science)	2-2 692162 661608
44	saidashaik371@gmail.com	SHAIK SAIDAA NWARB ASHA	21KP1 A44A2	SHAIK KUDHAN VALI	SHAIK SAIDAHUS SANBI	DS	80.0	20	DATAS CIENCE	2-2 466722 650274
47	saisairam068@gmail.com	Sairam	21kp1a 44b4	Venkata subbiah	Ravanamma	CS E	10.0	19	Da	2-2 746109 575146
48	sriharshanallabothu@gmail.com	Nallabot hu. SriHar sha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90.0	21	CSD	2-2 208611 060176
49	bhuvanstarpuli@gmail.com	Puli bhuvane swar	21KP1 A4484	Puli mallikarjuna	Puli ramadevi	DS	8.3	21	Data science	2.2 950519 207474
50	arundathi0508@gmail.com	PANDA UMA ARUND ATHI	21KP1 A4474	PANDA NARAYANA RAO	PANDA PRASANN ALAKSHMI	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 sem ester 639534 870436

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

Gmail
 21 farukh.786syed@gmail.com
 4 sivajibejjanki@gmail.com
 24 thammisettysrikanthraj9@gmail.com

STUDENTNAMEROLLNUMBER\
 SYED.FARUKH 21KP1A44A7
 B.sivaji 22kp5a4402
 T.Srikanth 21KP1A44B5

32	indupriya72216@gmail.com	Indu PriyaPatcha	21KP1A4476
13	kumarvalaparla890@gmail.com	VenkataAravindKumar.V	21KP1A44C0
14	patchachinnu3@gmail.com	PatchaJaswanth	21KP1A4477
2	sravankumar7156@gmail.com	SravanKumar	21KP1A4488
16	vanukuri.raghava@gmail.com	Raghava	21KP1A44C3
45	mvkbn1312@gmail.com	R.M.V.K.BrahmaNaidu	21KP1A4489
11	podilisarayu6@gmail.com	PODILILAKSHMISARAYU	21KP1A4480

	FATHERNAME	MOTHERNAME	COURSE	CGPA	AGE	BRANCH	\
21	SYED.BAJI	SYED.SARTHAJBEGUM	DS	0.70	19	DS	
4	B.lakshmaiah	B.veramma	DS	0.72	23	Computerscience	
24	T.vasu	T.jaya	DS	0.75	19	DataScience	
32	Apparaopatcha	RenukaPatcha	DS	0.75	18	DataScience	
13	Veeraswamy.v	Lakshmi.v	DS	0.98	20	DataScience	
14	Patchaapparao	Patchasukanya	CSE	0.99	20	Datascience	
2	RamaChandraRao	Venkateswaramma	MECH	7.00	20	mech	
16	Srinivasareddy	Jyothi	DS	7.00	19	Datascience	
45	Yedukondalu	Nirmala	DS	7.00	20	Datascience	
11	PODILIRAMESH	PODILI ADILAKSHMI	DS	7.50	19	DATASCIENCE	

	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 70889424
11	2-2	458689741091

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

	Gmail	STUDENT NAME	ROLLNUMBER\
38	abdulabdul22070@gmail.com	Syed.AbdulRehaman	21KP1A44A6
48	sriharshanallabothu@gmail.com	Nallabothu.SriHarsha	21KP1A4469
50	arundathi0508@gmail.com	PANDAUMAARUNDATHI	21KP1A4474
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468
5	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A44C8
17	shaiksakina05@gmail.com	Shaiksameer	21KP1A44A3
27	ravuakshaya@gmail.com	Ravu.akshaya	21KP1A4485
36	nikitharayapati9@gmail.com	NikhithaRayapati	21KP1A4487
43	paladugudurga1@gmail.com	P.Durga Sri	21KP1A4473
44	saidashaik371@gmail.com	SHAIKSAIDAANWARBASHA	21KP1A44A2

	FATHER NAME	MOTHERNAME	COURSE	CGPA	AGE	\
38	Syed.MeeraSharif	Bandi.Krishnaveni	DS	90.0	20	
48	Nallabothu.Anjaneyulu	Nallabothu.Anitha	DS	90.0	21	
50	PANDANARAYANARAO	PANDAPRASANNA LAKSHMI	DS	87.0	19	

1	N.ManikyaRao	N.SriLakshmi	CSE	83.0	19
5	Y.Anjaiah	YLakshmiRajyam	DS	80.0	19
17	ShaikRahimbabu	ShaikRaziya	DS	80.0	20
27	Ravu.srinivasrao	Ravu.arunakumari	DS	80.0	19
36	Rayapatihanumathrao	Rayapatimalleswari	DS	80.0	19
43	P.Amareswararao	P.SeshuKumari	DS	80.0	20
44	SHAIKKUDHANVALI	SHAIKSAIDAHUSSANBI	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 (DataScience)	2-2	692162661608
44	DATASCIENCE	2-2	466722650274

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

```
grouping.first()
```

Gmail	STUDEN TNAME	ROLLNUMBER	FATHER NAME	MOTHE R NAME	COURSE	CGPA	SEMIS TER	UI I DA	NO
AG E	BRANCH								
18	Data Science	indupriya72216@gmail.c om	InduPriya Patcha	21KP1A 4476	Apparao Patcha	Renuka Patcha	DS	0.7 5	2- 2
	Data science	rahamtunnisashaik09@g mail.com	Shaik Rahamtu nnisa	21KP1A 44A0	Shaik.maha boobjani	Shaik.munni	DS	8.0 0	2- 2
	CSD	ramyayalabolu123r@gma il.com	Y.Ramya	21KP1A 44C8	Y.Anjaiah	Y Lakshm	DS	80. 00	2- 2
19	CSD (Data science)	nrajasambasivarao@gma il.com	Narra RajaSa mbaSiva Rao	21KP1A 4471	Narra SrinivasaRa o	Narra Ramadevi	DS	7.5 0	4
	CSE (Data science)	tammashithi1@gmail.co m	Tamma	21KP1A	Tamma krishna reddy	Tamma Padmavathi	DS	7.7 0	2- 2
	CSE-DS	adilkashmi4765@gmail.c om	N.Venkat	21KP1A N.Manikyaesh		N.Sri Lakshmi	CSE	83. 00	II- II
									6025152 58256

Gmail	STUDENTNAME	ROLLNUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	SEMESTER	UIDAI NO
AGE	BRANCH							
	Cse-DataScience	sudhamshavejendla@gmail.com	Vejendla DeviSri Sudhamsha	21KP1A 44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CSE	70.00 2 2 5874804 45790
	DATA SCIENCE	sowjanyathota11@gmail.com	T.SOWJANYA	21KP1A 44B6	T.SAMBA SIVARAO	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	Pachipulu su 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 GURUBRAMA 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 Chandana	21KP1A 44C5	Venna Ramanared dy	Venna Lakshmidevi	DS	8.00 2-2 6363369 22883
	Ds	ravuakshaya@gmail.com	Ravu.aks haya	21KP1A 4485	Ravu.srinivasrao	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	SHAIKBAJI	SHAIKHADRUN	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 AnjaliDevi	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	STUDENTNAME	ROLLNUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	SEMESTER	UIDAI NO
AGE	BRANCH							
	Compute r Science Engineering& DataSci ence	vallu.srinu756939@gmail .com	Vallu Srinu SivaSubrahmanyam	21KP1A 44C1	Vallu Srinivasa Rao	ValluSurya kumari	DS	73. 00 4 ***** **
	DATASC IENCE	saidashaik371@gmail.co m	SHAIK SAIDAA NWARB ASHA	21KP1A 44A2	SHAIK KUDHAN VALI	SHAIK SAIDAHUS SANBI	DS	80. 00 2- 2 4667226 50274
	DS	shaiksakina05@gmail.co m	Shaik sameer	21KP1A 44A3	Shaik Rahimbabu	ShaikRaziya	DS	80. 00 2- 2 5292614 64345
	Data Science	abdulkhadar6842@gmail. com	Shaik.Abd ulKhadar	21KP1A 4493	Shaik.Kareem	Shaik.Farjan a	ECE	8.0 2- 2 3347082 89154
	Data Science	kumarvalaparla890@gma il.com	Venkata Aravind Kumar.V	21KP1A 44C0	Veeraswam y.v	Lakshmi.v	DS	0.9 8 2- 2 5103053 45824
	Data science	mvkbn1312@gmail.com	R.M.V.K. Brahma Naidu	21KP1A 4489	Yedukondalu	Nirmala	DS	7.0 0 2- 2 2387 7088 9424
	Data science	patchachinnu3@gmail.co m	Patcha Jaswanth	21KP1A 4477	Patcha apparaao	Patcha sukanya	CSE	0.9 9 2- 2 7440204 13963
	mech	sravankumar7156@gmail. com	Sravan Kumar	21KP1A 4488	Rama Chandra Rao	Venkateswar amma	MECH	7.0 0 4 9303190 53088
	CSD	rabbanishaik7356@gmail .com	SHAIK RABBANI	21KP1A 4499	SHAIK MOHAMMA D HANIF	SHAIK MALIN	DS	9.5 0 2- 2 2059339 56204
21	Data science	bhuvanstarpuli@gmail.co m	Puli bhuvanes war	21KP1A 4484	Puli mallikarjuna	Puli ramadevi	DS	8.3 0 2. 2 9505192 07474
	Ds	shiakmobin2002@gmail.c om	Shaikmob in	21KP1A 4497	shaik karimullah	Shaikrihana	DS	8.8 0 2. 2 9043556 56468
23	Compute rscience	sivajibejjanki@gmail.com	B.sivaji	22kp5a 4402	B.lakshmaia h	B.veramma	DS	0.7 2 2- 2 8954446 62410
18 h	cse	hemasanjushasanikomm u828@gmail.com	hema sanjusha	21KP1A 4491	musalareddy	sivaparvathi	CSE	73. 00 2- 2 4223148 63763

```
Data.describe()
```

```
CGPA  
count52.000000  
mean37.657500  
std35.381352mi  
n0.70000025%8  
.000000  
50%9.800000  
75%75.000000  
max90.000000
```

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

Gmail	STUDENTNAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRA NCH	SEMIST ER	UI DA I NO
0	vennachandana1@gmail.com	Venna Chandana	21KP1 A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.00	19	Data science	2-2 636336922883
4	sivajibejjanki@gmail.com	B.sivaji	22kp5a 4402	B.lakshmaiah	B.veramma	DS	0.72	23	Computer science	2-2 895444662410
5	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1 A44C8	Y.Anjaiah	Y LakshmiRajayam	DS	80.00	19	CSD	2-2 724574588425
6	charithareddy3914@gmail.com	P.charitha reddy	21KP1 A4475	P.Madhava Reddy	P.Kavitha	DS	70.00	19	CSD	2.2 810177524502
7	gayathripolepalli70@gmail.com	POLEPALI. GAYATHRI	21KP1 A4481	POLEPALLI. GURUBRAH MACHARI	POLEPALLI .SRIDEVI	DS	10.00	19	Data Science	2-2 721819168061
9	sowjanyathota11@gmail.com	T.SOWJANYA	21KP1 A44B6	T.SAMBA SIVARAO	T.ARUNA KUMARI	DS	8.00	19	DATA SCIENCE	2-2 338666948901
10	tammasahithi1@gmail.com	Tamma Sahithi	21KP1 A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.70	19	CSE (Data science)	2-2 685349832128

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

GRADUATION MAIL	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRA NCH	SEMESTER	UIDA I NO
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtun nisa	21KP1 A44A0	Shaik.mahab oobjani	Shaik.munn i	DS	8.0 0	18	Data science	2-2 406976 169351
31	harikabangaram313@gmail.com	Harika	22KP5 A4401	A.Subraman yam	A.Dhana Bhagyam	DS	75. 00	19	Data science	2-2 574930 568520
32	indupriya72216@gmail.com	InduPriya Patcha	21KP1 A4476	Apparao Patcha	Renuka Patcha	DS	0.7 5	18	Data Science	2-2 573041 880949
33	bhavyasrisaja2003@gmail.com	Bhavyasri	21KP1 A4490	Mohan krishna	Usharani	DS	70. 00	19	Ds	2-2 274736 890047
35	bhanuthanirru@gmail.com	Thanirru Bhanuv enkatap rasad	21KP1 A44B2	T sathyaranay ana	Tramadevi	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.Krishnaveni	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 yalamanchi	21KP1 A44C9	Yalamanchi subbaRao	Yalamanchi sunitha	DS	75. 00	19	DS	4 742366 316353
42	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1 A44B7	T.Venkayya	T. Ramanjam ma	DS	75. 00	19	DS	4 330477 145525
43	paladugudurga1@gmail.com	P.Durga Sri	21KP1 A4473	P. Amareswara rao	P. Seshu Kumari	DS	80. 00	20	CSD(Dat a Science)	2-2 692162 661608
44	saidashaik371@gmail.com	SHAIK SAIDAA NWARB ASHA	21KP1 A44A2	SHAIK KUDHAN VALI	SHAIK SAIDAHUS SANBI	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 RajaSa mbaSiva Rao	21KP1 A4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.5 0	19	CSD (Data science)	4 835457 902826
48	sriharshanallabothu@gmail.com	Nallabothu . SriHar sha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90. 00	21	CSD	2-2 208611 060176

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

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

df1

Gmail	STUDENTNAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRA NCH	SEMIS TER	UID AI NO
1	adilakshmi4765@gmail.com	N.Venk atesh	21KP1A 4468	N.Manikya Rao	N.Sri Lakshmi	CS E	83. 00	19	CSE- DS	II-II 6025152 58256
3	sandeepyeruva1124@gmail.com	Yeruva sandee preddy	21KP1A 44D1	Yeruva AjayKumar reddy	Yeruva Anjali Devi	CS E	9.5 0	20	CSE	2-3 5761549 90146
14	patchachinnu3@gmail.com	Patcha Jaswan th	21KP1A 4477	Patcha apparao	Patcha sukanya	CS E	0.9 9	20	Data scienc e	2-2 7440204 13963
28	hemasanjushasanikommu 828@gmail.com	hema sanjush a	21KP1A 4491	musalaredd y	sivaparv athi	CS E	73. 00	18h	cse	2-2 4223148 63763
34	sudhamshavejendla@gmail.com	Vejendl aDevi Sri Sudha msha	21KP1A 44C4	Vejendla Srinivass Rao	Vejendl a LaxmiPr asanna	CS E	70. 00	19	Cse- DataS cienc 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	jaffershakir718@gmail.com	Jaffer shaik	21KP1A 4495	shaik.LaiLa ha	shaik.R amjan bee	CS E	70. 00	19	cse	2nd 9122292 76699

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

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

2

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

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

3

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

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

4

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

In [22] :

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

5

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRA NCH	SEMIS TER	UIDAI NO
0	vennachandana1@gmail.com	Venna Chandana	21KP1A44C5	Venna Ramanared dy	Venna Lakshmidevi	DS	8.00	19	Data science	2-2	636336922883
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468	N.Manikya Rao	N.SriLakshmi	CSE	83.00	19	CSE-DS	II-II	602515258256
5	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A44C8	Y.Anjaiah	YLakshmi 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.GURUBRAHMAC HARI	POLEPALLI. SRIDEVI	DS	10.00	19	Data Science	2-2	721819168061
8	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1A44A9	Syed Rahiman	SyedNaseema	MEC H	8.00	19	DS	2-2	617020354793
9	sowjanyathota11@gmail.com	T.SOWJANYA	21KP1A44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI	DS	8.00	19	DAT A SCIENCE	2-2	338666948901
10	tammasaithi1@gmail.com	Tamma Sahithi	21KP1A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.70	19	CSE (Data science)	2-2	685349832128
11	podilisarayu6@gmail.com	PODILILAKSHMIS ARAYU	21KP1A4480	PODILI RAMESH	PODILIAKSHMI	DS	7.50	19	DAT A SCIENCE	2-2	458689741091

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRA NCH	SEMIS TER	UIDAI NO
1 2	shaikkarishma811@gmail.com	shaik karishma	21KP1A 4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.00	19	ds	2-2	6630485 21599
1 5	manu952041@gmail.com	Pachipulusu Manohar	21KP1A 4472	PachipulusuPrasad	Pachipulusu Bhavani	MEC H	8.50	19	Data Scienc e	2-2	5593661 14423
1 6	vanukuri.raghava@gmail.com	Raghava	21KP1A 44C3	Srinivasa reddy	Jyothi	DS	7.00	19	Data scienc e	2-2	4249730 81348
1 8	us465249@gmail.com	Sskusman	21KP1A 4492	S skmastanvali	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 HAJBEGUM	DS	0.70	19	DS	2-2	7643207 30678
2 2	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1A 44C7	Chinna anjayya	Lakshmi narayana	DS	75.0 0	19	CSD	2-2	8307850 66037
2 4	thammisettsrikanthraj 9@gmail.com	T.Srikanth	21KP1A 44B5	T.vasu	T.jaya	DS	0.75	19	Data Scienc e	2-2	6731122 05183
2 7	ravuakshaya@gmail.co m	Ravu.akshay a	21KP1A 4485	Ravu.sriniv asrao	Ravu.aruna kumari	DS	80.0 0	19	Ds	2.2	5443057 83128
3 1	harikabangaram313@g mail.com	Harika	22KP5A 4401	A.Subrama nyam	A.Dhana Bhagyam	DS	75.0 0	19	Data scienc e	2-2	5749305 68520
3 3	bhavyasrisajja2003@g mail.com	Bhavya sri	21KP1A 4490	Mohan krishna	Usharani	DS	70.0 0	19	Ds	2-2	2747368 90047
3 4	sudhamshavejendla@g mail.com	Vejendra DeviSriSu dhamsha	21KP1A 44C4	Vejendra Srinivass Rao	Vejendra LaxmiPr asanna	CSE	70.0 0	19	Cse-DataScienc e	2_2	5874804 45790
3 5	bhanuthanirru@gmail. com	Thanirru Bhanuv enkatap rasad	21KP1A 44B2	T sathyana rayana	T ramadevi	DS	9.60	19	Data Scienc e	2-2	3572282 02835
3 6	nikitharayapati9@gmai l.com	Nikhitha Rayapati	21KP1A 4487	Rayapati hanumathra o	Rayapati malleswari	DS	80.0 0	19	Ds	2-2	9633608 28294
3 7	indhupotla123@gmail. com	indhupriya	21KP1A 4483	Lakshmana rayana	Sujatha	CSE	72.0 0	19	cse	2-2	5243458 91620
3 9	jaffershaik718@gmail. com	Jaffershaik	21KP1A 4495	shaik.LaiL aha	shaik.Ramjan bee	CSE	70.0 0	19	cse	2nd	9122292 76699
4 1	reshmayalamanchi@g mail.com	Reshma yalamanchi	21KP1A 44C9	Yalamanch isubba Rao	Yalamanchi sunitha	DS	75.0 0	19	DS	4	7423663 16353

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

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

6

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

	Gmail	STUDEN TNAME	ROLL NUMB ER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRANC H	SEMIS TER	UIDAI NO
20	undelachandraobularedy@gmail.com	Undela Chandra ObulaR eddy	21KP1 A44B9	Undela ChinnaObula Reddy	Undela GuruLaksh mi	DS	9.2 0	20	Computer Science	2-2	6936217 80842
23	madhulathasure9@gmail.com	SURE. MADHU LATHA	21KP1 A44A4	SURE.VISWA NADHAM	SURE.SAI LAKSHMI	DS	10. 00	20	Data science	2-2	7764860 62608
26	abdulkhadar6842@gmail.com	Shaik.Abd ulKhadar	21KP1 A4493	Shaik.Kareem	Shaik.Farja na	ECE	8.0 0	20	Data Science	2-2	3347082 89154
29	ynagasasikumar@gmail.com	YNaga Sasi Kumar	21KP1 A44D0	Y Ramamoha narao	Y Lalitha	DS	9.2 0	20	Data Science	2-2	4481724 96292
38	abdulabdu22070@gmail.com	Syed.Abd ul Rehaman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Kris hnaveni	DS	90. 00	20	DS	2-2	3478535 09974
43	paladugudurga1@gmail.com	P.Durga Sri	21KP1 A4473	P.Amareswara rao	P. SeshuK umari	DS	80. 00	20	CSD(Data Science)	2-2	6921626 61608
44	saidashaik371@gmail.com	SHAIK SAIDAA NWARB ASHA	21KP1 A44A2	SHAIK KUDHAN VALI	SHAIK SAIDAHU SSANB I	DS	80. 00	20	DATASC IEENCE	2-2	4667226 50274
45	mvkbn1312@gmail.com	R.M.V.K. Brahma Naidu	21KP1 A4489	Yedukondalu	Nirmala	DS	7.0 0	20	Data science	2-2	2387 7088 9424

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

7

	Gmail	STUDE NT NAME	ROLL NUMBE R	FATHER NAME	MOTH ER NAME	COUR SE	CGP A	AG E	BRAN CH	SEMIST ER	UIDAI NO
25	shiakmabin2002@gmail.com	Shaikmobi n	21KP1A4 497	shaik karimullah	Shaik rihana	DS	8.8	21	Ds	2.2	904355656 468
40	rabbanishaik7356@gmail.com	SHAIK RABBA NI	21KP1A4 499	SHAIK MOHAM MAD HANIF	SHAIK MALIN	DS	9.5	21	CSD	2-2	205933956 204
48	sriharshanallabothu@gmail.com	Nallaboth u. SriHar sha	21KP1A4 469	Nallabothu. Anjaneyulu	Nallabot hu. Anitha	DS	90.0	21	CSD	2-2	208611060 176

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

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

Data

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

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

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRANC H	SEMI STER	UIDAI NO
28	hemasanjushasanikommu828@gmail.com	hemasan jusha	21KP1 A4491	musala reddy	siva parvathi	CSE	73.00	18	cse	2-2	422314 863763
29	ynagasasikumar@gmail.com	Y NagaSasiK umar	21KP1 A44D0	Y Ramamoha narao	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	InduPriya Patcha	21KP1 A4476	Appa raoPat cha	Renuka Patcha	DS	0.75	18	Data Science	2-2	573041 880949
33	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1 A4490	Mohankrishna	Usharani	DS	70.00	19	Ds	2-2	274736 890047
34	sudhamshavejendla@gmail.com	Vejendla DeviSriSudhamsha	21KP1 A44C4	Vejendla SrinivassRao	Vejendla LaxmiPrasanna	CSE	70.00	19	Cse-DataScience	2_2	587480 445790
35	bhanuthanirru@gmail.com	Thanirru Bhanuv enkatap rasad	21KP1 A44B2	T sathyana raya n	T ramadevi	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	indhupriya	21KP1 A4483	Lakshmanaray ana	Sujatha	CSE	72.00	19	cse	2-2	524345 891620
38	abdulabdal22070@gmail.com	Syed.Abdul Rehaman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krishn aveni	DS	90.00	20	DS	2-2	347853 509974
39	jaffershaik718@gmail.com	Jaffershaik	21KP1 A4495	shaik.LaiLaha	shaik.Ramjanbee	CSE	70.00	19	cse	2nd	912229 276699
40	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1 A4499	SHAIK MOHAMMA DHANIF	SHAIK MALIN	DS	9.50	21	CSD	2-2	205933 956204
41	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1 A44C9	Yalamanchi subbaRao	Yalamanchi sunitha	DS	75.00	19	DS	4	742366 316353
42	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1 A44B7	T.Venkayya	T. Ramanjamma	DS	75.00	19	DS	4	330477 145525
43	paladugudurga1@gmail.com	P. DurgaSri	21KP1 A4473	P. Amareswara rao	P. SeshuK umari	DS	80.00	20	CSD(Dat a Science)	2-2	692162 661608

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRANC H	SEMI STER	UIDAI NO
44	saidashaik371@gmail.com	SHAIK SAIDAA NWARB ASHA	21KP1 A44A2	SHAIK KUDHAN VALI	SHAIK SAIDAHUS SANBI	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	7.00	20	Data science	2-2	2387 7088 9424
46	nrajasambasivarao@gmail.com	Narra RajaSamba 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. SriHarsha	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 UMAARU NDATHI	21KP1 A4474	PANDA NARAYANA RAO	PANDA PRASANNA LAKSHMI	DS	87.00	19	CSD	2-2	652650 486629
51	chinnivignesh144@gmail.com	chinni vigneshtejayadav	21KP1 A44C6	ChinniPratap Kumar	Chinni Bhargavi	DS	80.00	19	Data Science	4th semester	639534 870436

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

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRANC H	SEMI STER	UIDAI NO
0	vennachandana1@gmail.com	Venna Chandana	21KP1 A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.00	19	Data science	2-2	636336 922883
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1 A4468	N.Manikya Rao	N.Sri Lakshmi	CSE	83.00	19	CSE-DS	II-II	602515 258256
2	sravankumar7156@gmail.com	Sravan Kumar	21KP1 A4488	Rama Chandra Rao	Venkateswar amma	MEC H	7.00	20	mech	4	930319 053088

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

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A GE	BRANC H	SEMI STER	UIDAI NO
		Subrahmanyam							ng& DataSci ence		
20	undelachandraobularedy@gmail.com	Undela Chandra ObulaR eddy	21KP1 A44B9	Undela ChinnaObula Reddy	Undela GuruLakshmi	DS	9.2 0	20	Compute rScience	2-2	693621 780842
21	farukh.786syed@gmail.com	SYED.FAR UKH	21KP1 A44A7	SYED.BAJI	SYED.SART HAJ BEGUM	DS	0.7 0	19	DS	2-2	764320 730678
22	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayana	DS	75. 00	19	CSD	2-2	830785 066037
23	madhulathasure9@gmail.com	SURE. MADHUL ATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10. 00	20	Data science	2-2	776486 062608
24	thammisettsrikanthraj9@gmail.com	T.Srikanth	21KP1 A44B5	T.vasu	T.jaya	DS	0.7 5	19	Data Science	2-2	673112 205183
25	shiakmobin2002@gmail.com	Shaikmobin	21KP1 A4497	shaik karimullah	Shaikrihana	DS	8.8 0	21	Ds	2.2	904355 656468
26	abdulkhadar6842@gmail.com	Shaik.Abdu lKhadar	21KP1 A4493	Shaik.Kareem	Shaik.Farjan a	ECE	8.0 0	20	Data Science	2-2	334708 289154
27	ravuakshaya@gmail.co m	Ravu.aksha ya	21KP1 A4485	Ravu.srinivasa o	Ravu.aruna kumari	DS	80. 00	19	Ds	2.2	544305 783128
28	hemasanjushasanikom mu828@gmail.com	hema sanjusha	21KP1 A4491	musalareddy	sivaparvathi	CSE	73. 00	18	cse	2-2	422314 863763
29	ynagasasikumar@gmail.com	Y NagaSasiK umar	21KP1 A44D0	Y Ramamoha nara	Y Lalitha	DS	9.2 0	20	Data Science	2-2	448172 496292
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtunni sa	21KP1 A44A0	Shaik.mahabo objani	Shaik.munni	DS	8.0 0	18	Data science	2-2	406976 169351
31	harikabangaram313@gmail.com	Harika	22KP5 A4401	A.Subramanya m	A.Dhana Bhagym	DS	75. 00	19	Data science	2-2	574930 568520
32	indupriya72216@gmail.com	InduPriya Patcha	21KP1 A4476	Appa raoPat cha	Renuka Patcha	DS	0.7 5	18	Data Science	2-2	573041 880949
33	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1 A4490	Mohankrishna	Usharani	DS	70. 00	19	Ds	2-2	274736 890047
34	sudhamshavejendla@gmail.com	Vejendra DeviSriSu dhamsha	21KP1 A44C4	Vejendra SrinivassRao	Vejendra LaxmiPr asanna	CSE	70. 00	19	Cse- DataSci ence	2_2	587480 445790
35	bhanuthanirru@gmail.c om	Thanirru Bhanuv enkata prasad	21KP1 A44B2	T sathyaranaya	T ramadevi	DS	9.6 0	19	Data Science	2-2	357228 202835

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRANC H	SEMI STER	UIDAI NO
3 6	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1 A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80. 00	19	Ds	2-2	963360 828294
3 7	indhupotla123@gmail.com	indhupriya	21KP1 A4483	Lakshmanaray ana	Sujatha	CSE	72. 00	19	cse	2-2	524345 891620
3 8	abdulabdul22070@gmail.com	Syed.Abdul Rehaman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krishn aveni	DS	90. 00	20	DS	2-2	347853 509974
3 9	jaffershak718@gmail.com	Jaffershak	21KP1 A4495	shaik.LaiLaha	shaik.Ramja nbee	CSE	70. 00	19	cse	2nd	912229 276699
4 0	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1 A4499	SHAIK MOHAMMA DHANIF	SHAIK MALIN	DS	9.5 0	21	CSD	2-2	205933 956204
4 1	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1 A44C9	Yalamanchi subbaRao	Yalamanchi sunitha	DS	75. 00	19	DS	4	742366 316353
4 2	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1 A44B7	T.Venkayya	T. Ramanjamma	DS	75. 00	19	DS	4	330477 145525
4 3	paladugudurga1@gmail.com	P. DurgaSri	21KP1 A4473	P. Amareswara rao	P. SeshuK umari	DS	80. 00	20	CSD(Dat a Science)	2-2	692162 661608
4 4	saidashaik371@gmail.com	SHAIK SAIDAA NWARB ASHA	21KP1 A44A2	SHAIK KUDHAN VALI	SHAIK SAIDAHUS SANBI	DS	80. 00	20	DATAS CIENCE	2-2	466722 650274
4 5	mvkbn1312@gmail.co m	R.M.V.K.B rahma Naidu	21KP1 A4489	Yedukondalu	Nirmala	DS	7.0 0	20	Data science	2-2	2387 7088 9424
4 6	nrajasambasivarao@gmail.com	Narra RajaSamba Siva Rao	21KP1 A4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.5 0	19	CSD (Data science)	4	835457 902826
4 7	saisairam068@gmail.co m	Sairam	21kp1a 44b4	Venkata subbiah	Ravanamma	CSE	10. 00	19	Da	2-2	746109 575146
4 8	sriharshanallabothu@g mail.com	Nallabothu. SriHarsha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90. 00	21	CSD	2-2	208611 060176
4 9	bhuvanstarpuli@gmail. com	Puli bhuvaneswa r	21KP1 A4484	Puli mallikarjuna	Puli ramadevi	DS	8.3 0	21	Data science	2.2	950519 207474
5 0	arundathi0508@gmail.c om	PANDA UMAARU NDATHI	21KP1 A4474	PANDA NARAYANA RAO	PANDA PRASANNA LAKSHMI	DS	87. 00	19	CSD	2-2	652650 486629
5 1	chinnivignesh144@gmail.com	chinni vigneshtejayadav	21KP1 A44C6	ChinniPratap Kumar	Chinni Bhargavi	DS	80. 00	19	Data Science	4th semest er	639534 870436

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

4

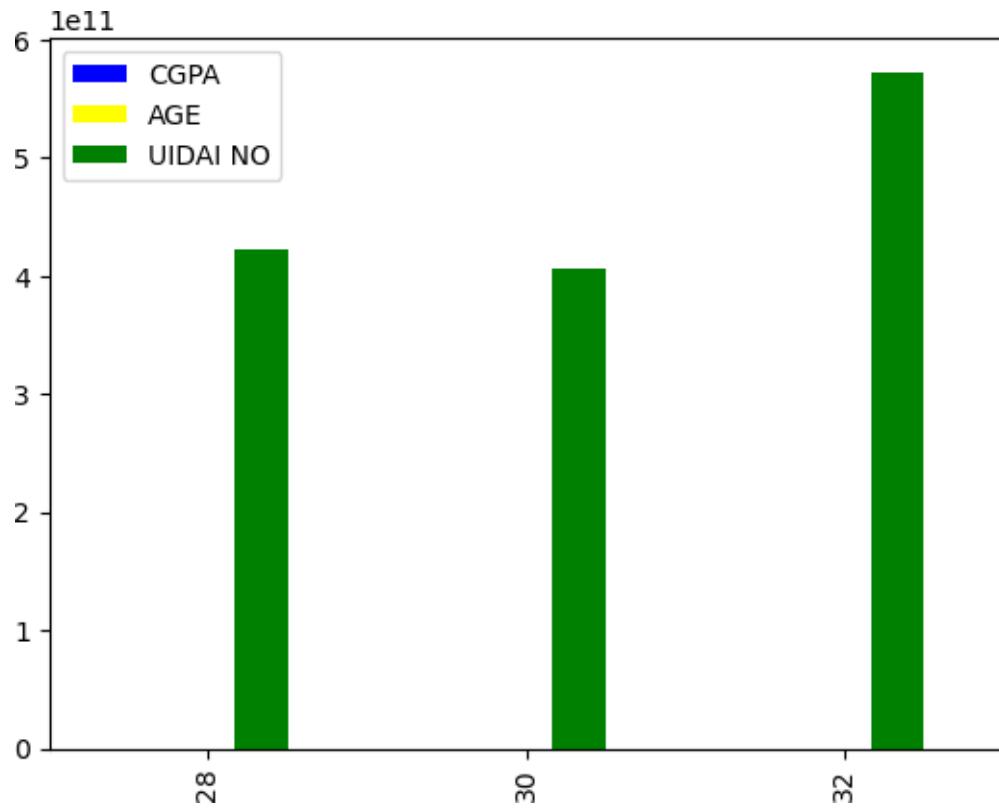
	Gmail	STUDE NT NAME	ROLL NUMBE R	FATHER NAME	MOTH ER NAME	COU RSE	CG PA	AGE	BRAN CH	SEMIS TER	UIDAI NO
28	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1A 4491	musalareddy	sivaparv athi	CSE	73.0 0	18	cse	2-2	42231486 3763
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtu nnisa	21KP1A 44A0	Shaik.mahab oobjani	Shaik.m unni	DS	8.00	18	Data science	2-2	40697616 9351
32	indupriya72216@gmail.com	Indu PriyaP atcha	21KP1A 4476	Appa raoPat cha	Renuka Patcha	DS	0.75	18	Data Scienc e	2-2	57304188 0949

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

4

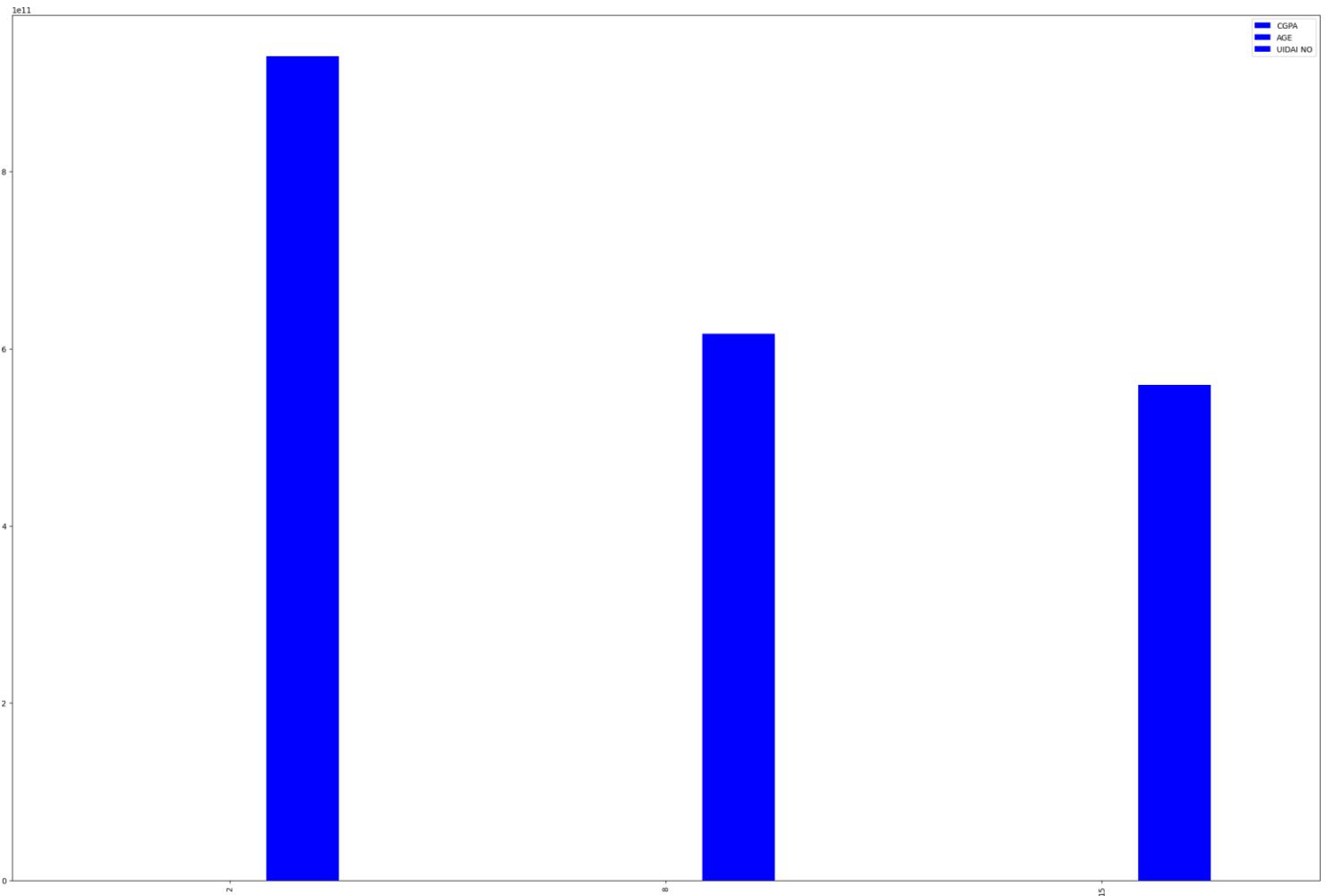
	Gmail	STUDE NT NAME	ROLL NUMBE R	FATHER NAME	MOTH ER NAME	COU RSE	CG PA	AGE	BRAN CH	SEMIS TER	UIDAI NO
28	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1A 4491	musalareddy	sivaparv athi	CSE	73.0 0	18	cse	2-2	42231486 3763
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtu nnisa	21KP1A 44A0	Shaik.mahab oobjani	Shaik.m unni	DS	8.00	18	Data science	2-2	40697616 9351
32	indupriya72216@gmail.com	Indu PriyaP atcha	21KP1A 4476	Appa raoPat cha	Renuka Patcha	DS	0.75	18	Data Scienc e	2-2	57304188 0949

Displaying plot bar by AGE, CGPA, UIDAINO



Displaying the plotbars

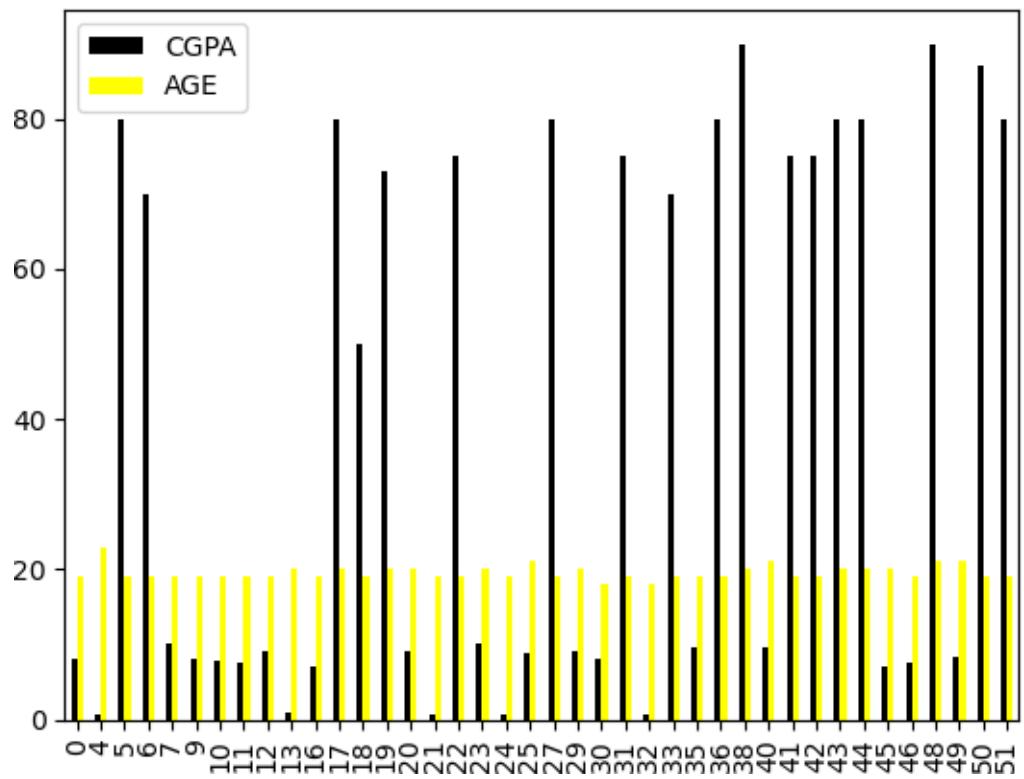
```
df2.plot.bar(color=['blue'], figsize=(30,20))
```



Displayingt he CGPA and age of students

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

<Axes :>



df5

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

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

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

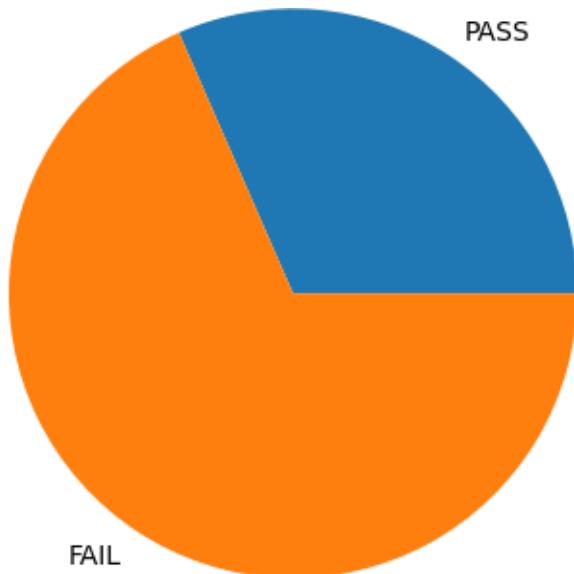
y=df5.CGPA.value_counts()y

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

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

Visualizing the pass and fail percentage of students

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



```
df11=df4.CGPA.value_counts()  
1
```

```
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

DataScience	3
DATASCIENCE	2
Datascience	2
Computerscience	1
CSE (Data science)	1
ds	1
ComputerScienceEngineering&DataScience	1
ComputerScience	1
CSD (DataScience)	1
DATASCIENCE	1
CSD (Data science)	1
Name:BRANCH,dtype:int64	

SUMMARY

In this project, we aimed to develop a DATA ANALYSIS USING PYTHON, with a focus on data techniques which are implemented in python.

Data Analytics is used in a large data sets to extract the informative data, and Analyzing the data with plots, graphs and other techniques.

BENEFITS

1. Improved data techniques, which can lead to understand the data easily.
2. Improved graphs to visualize the data.
3. Data analytics techniques enable a business to take raw data and uncover patterns to extract Valuable insights.
4. Easy memory management.