

A PROJECT
On
STUDENT DATABASE ANALYSIS USING PYTHON

BACHELOR OF TECHNOLOGY

By
DEPARTMENT OF DATASCIENCE

VEJENDLA DEVISRI SUDHAMSHA 21KP1A44C4

Under the esteemed Guidance of

Er . S AKSHAY KUMAR

CS CODENZ



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GUDIVADA-521323,ANDHRAPRADESH.,INDIA

2022-2023

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CERTIFICATE

This is to certify that dissertation entitled “**STUDENT DATABASE ANALYSIS USING PYTHON**” submitted by **VEJENDLA DEVISRI SUDHAMSHA (21KP1A44C4)** 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 **VEJENDLA DEVISRI SUDHAMSHA (21KP1A44C4)** 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

21KP1A44C4

VEJENDLA DEVISRI
SUDHAMSHA

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 his 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 AKSHAYKUMAR, CSCODENZ**, for his continuous support

We express our sincere thanks to our respected for his 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 AKSHAYKUMAR, 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 ANALYSIS 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)
- MICRO SOFT WORD
- MICRO SOFT EXCEL
- JUPYTER NOTEBOOK

FUNCTIONAL REQUIREMENTS

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

DESCRIPTION

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

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 Panal 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
```

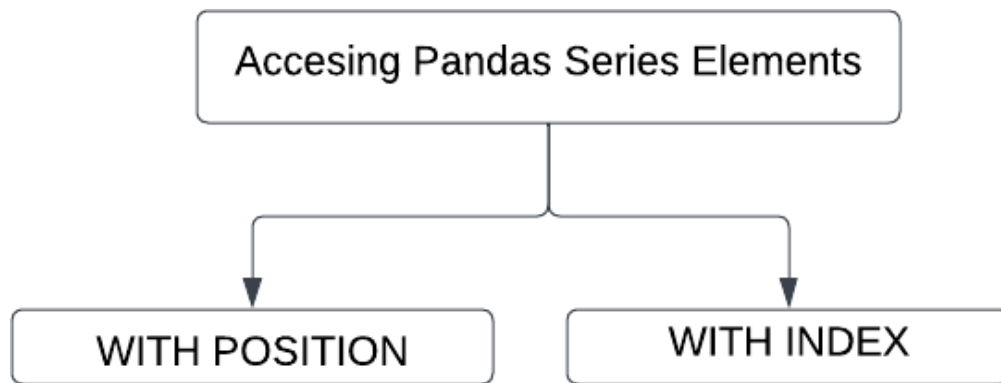
```
plt.title('SimpleLinePlot')
```

```
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 WITH POSITION-

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

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

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

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

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

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

ACCESSING WITH INDEX-

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

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

DATAFRAME

A dataframe is a 2D data structure in which we store data in the form of tables.[rows x columns] We can create a DataFrame i.e., known as DATASET.

CREATING A DATASET-

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

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

Creating dataset using list-

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

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

Creating dataset using Dict-

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

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

```
#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

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

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

CREATION OF DATASET-

Datasetexample

Emailaddress	STUDENT NAME	ROLLNUMBER	FATHERNAME
vennachandana1@gmail.com	VennaChandana	21KP1A44C5	VennaRamanareddy
adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468	N.ManikyaRao
sravankumar7156@gmail.com	SravanKumar	21KP1A4488	RamaChandra Rao
sandeepyeruva1124@gmail.com	Yeruva	21KP1A44D1	YeruvaAjayKumarreddy
sivajibejjanki@gmail.com	sandeepreddy	22kp5a4402	B.lakshmaiah
ramyayalabolu123r@gmail.com	B.sivaji	21KP1A44C8	Y.Anjaiah
charithareddy3914@gmail.com	Y.Ramya	21KP1A4475	P.MadhavaReddy
gayathriplepalli70@gmail.com	P.charithareddy	21KP1A4481	POLEPALLI.
syedtasleem07@gmail.com	POLEPALLI.	21KP1A4481	GURUBRAHMACHARI
sowjanyaatha11@gmail.com	GAYATHRI	21KP1A44A9	Syed Rahiman
tammahithi1@gmail.com	SyedTasleem	21KP1A44B6	T.SAMBASIVARAO
podilisarayu6@gmail.com	Afroze	21KP1A44B0	Tammakrishnareddy
shaikkarishma811@gmail.com	T.SOWJANYA	21KP1A4480	PODILIRAMESH
kumarvalaparla890@gmail.com	TammaSahithi	21KP1A4496	SHAIK BAJI
patchachinnu3@gmail.com	PODILILAKSHMIS	21KP1A44C0	Veeraswamy.v
manu952041@gmail.com	ARAYU	21KP1A4477	Patchaapparao
vanukuri.raghava@gmail.com	shaikkarishma	21KP1A4472	PachipulusuPrasad
shaiksakina05@gmail.com	Venkata	21KP1A44C3	Srinivasareddy
us465249@gmail.com	AravindKumar.V	21KP1A44A3	ShaikRahimbabu
	PatchaJaswanth	21KP1A4492	Sskmasthanvali
	Pachipulusu		
	Manohar		
	Raghava		
	Shaiksameer		
	S skusman		

```
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
2	2023-06-1314:25:50.957	sravankumar7156@gmail.com
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
6	2023-06-1314:27:05.330	charithareddy3914@gmail.com
7	2023-06-1314:27:16.973	gayathriplepalli70@gmail.com

82023-06-13 14:27:41.072	syedtasleem07@gmail.com
92023-06-13 14:28:10.012	sowjanyaathotall@gmail.com
102023-06-1314:28:10.559	tammasahithil@gmail.com
112023-06-1314:28:34.026	podilisarayu6@gmail.com
122023-06-1314:28:43.092	shaikkarishma811@gmail.com
132023-06-1314:28:57.412	kumarvalaparla890@gmail.com
142023-06-1314:30:05.091	patchachinnu3@gmail.com
152023-06-1314:30:05.577	manu952041@gmail.com
162023-06-1314:30:07.913	
	vanukuri.raghava@gmail.com
172023-06-1314:30:57.744	shaiksakina05@gmail.com
182023-06-1314:33:16.842	us465249@gmail.com
192023-06-1314:36:46.844	vallu.srinu756939@gmail.com
20	2023-06-13
14:34:05.142undelachandraobularedddy@gmail.com21	2023-06-
1314:32:17.269	
	farukh.786syed@gmail.com2
2	2023-06-13 14:33:08.038
anushayalabolul2@gmail.com23	2023-06-1314:33:16.147
	madhulathasure9@gmail.com
24	2023-06-13
14:34:00.504thammisettsrikanthraj9@gmail.com25	2023-06-
1314:34:24.599	
	shiakmobin2002@gmail.com2
62023-06-1314:34:24.985	
	abdulkhadar6842@gmail.com
272023-06-1314:34:31.602	ravuakshaya@gmail.com
282023-06-1314:34:41.989hemasanjushasanikommu828@gmail.com	
292023-06-1314:34:52.277	ynagasasikumar@gmail.com
30 2023-06-13 14:35:26.194	rahamtunnisashaik09@gmail.com31
2023-06-13	14:37:08.022
harikabangaram313@gmail.com32	2023-06-1314:37:44.545
	indupriya72216@gmail.com
332023-06-13 14:37:53.042	bhavyasrisajja2003@gmail.com
34	2023-06-13 14:38:20.561
sudhamshavejendla@gmail.com35	2023-06-1314:39:17.885
	bhanuthanirru@gmail.com
36	2023-06-13 14:40:40.869
nikitharayapati9@gmail.com37	2023-06-1314:44:05.463
	indhupotla123@gmail.com38
2023-06-1314:44:45.168	
	abdulabdul22070@gmail.com
392023-06-1314:45:56.606	
	jaffershaik718@gmail.com4
02023-06-13 14:50:28.282	rabbanishaik7356@gmail.com
41 2023-06-13 15:01:15.615	reshmayalamanchi@gmail.com
42 2023-06-13	15:04:23.806
thiriveedhinagajyothi@gmail.com43	2023-06-1315:16:34.142
paladugudurgal@gmail.com44	2023-06-1317:37:00.290
saidashaik371@gmail.com	
452023-06-1320:39:54.489	mvkbn1312@gmail.com
46	2023-06-13 20:49:03.330
nrajasambasivarao@gmail.com47	2023-06-1409:22:24.620
	saisairam068@gmail.com
482023-06-14 09:34:41.202	sriharshanallabothu@gmail.com
492023-06-1409:37:41.272	
	bhuvanstarpuli@gmail.com
502023-06-1409:37:48.696	
	arundathi0508@gmail.com5
12023-06-14 09:38:10.231	chinnivignesh144@gmail.com

	STUDENTNAME	ROLLNUMBER	FATHERNAME
\			
0	VennaChandana	21KP1A44C5	VennaRamanareddy
1	N.Venkatesh	21KP1A4468	N.ManikyaRao
2	SravanKumar	21KP1A4488	RamaChandraRao
3	Yeruvasandeepreddy	21KP1A44D1	YeruvaAjayKumarreddy
4	B.sivaji	22kp5a4402	B.lakshmaiah
5	Y.Ramya	21KP1A44C8	Y.Anjaiah
6	P.charithareddy	21KP1A4475	P.MadhavaReddy
7	POLEPALLI.GAYATHRI	21KP1A4481	POLEPALLI.GURUBRAHMACHARI
8	SyedTasleemAfroze	21KP1A44A9	SyedRahiman
9	T.SOWJANYA	21KP1A44B6	T.SAMBASIVARAO
10	TammaSahithi	21KP1A44B0	Tammakrishnareddy

11	PODILILAKSHMISARAYU	21KP1A4480	PODILIRAMESH
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	Sskmasthanvali
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	Shaikmabin	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
38	Syed.AbdulRehaman	21KP1A44A6	Syed.Meera Sharif
39	Jaffershaik	21KP1A4495	shaik.LaiLaha
40	SHAIKRABBANI	21KP1A4499	SHAIK MOHAMMADHANIF
41	Reshmayalamanchi	21KP1A44C9	YalamanchisubbaRao
42	T.Nagajyothi	21KP1A44B7	T. Venkayya
43	P.DurgaSri	21KP1A4473	P.Amareswararao
44	SHAIKSAIDAANWARBASHA	21KP1A44A2	SHAIKKUDHANVALI
45	R.M.V.K.BrahmaNaidu	21KP1A4489	Yedukondalu
46	NarraRajaSamba Siva Rao	21KP1A4471	NarraSrinivasaRao
47	Sairam	21kpla44b4	Venkatasubbiah
48	Nallabothu.SriHarsha	21KP1A4469	Nallabothu.Anjaneyulu
49	Pulibhuvaneswar	21KP1A4484	Pulimallikarjuna
50	PANDAUMA ARUNDATHI	21KP1A4474	PANDANARAYANARAO
51	chinnivigneshtejayadav	21KP1A44C6	ChinniPratapKumar

	MOTHERNAME	COURSE	CGPA	AGE	\
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	Lakshminarayanama	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	VejudlaLaxmiPrasanna	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	Yalamanchisunitha	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

EMAIL \

0	vennachandana1@gmail.com
1	adilakshmi4765@gmail.com
2	sravankumar7156@gmail.com
3	sandeepyeruval124@gmail.com
4	sivajibejjanki@gmail.com
5	ramyayalabolul23r@gmail.com
6	charithareddy3914@gmail.com
7	gayathripolepalli70@gmail.com
8	syedtasleem07@gmail.com
9	sowjanyaathota11@gmail.com
10	tammasahithi1@gmail.com
11	Podilisarayu6@gmail.com
12	shaikkarishma811@gmail.com
13	Kumarvalaparla890@gmail.com
14	Patchachinnu@gmail.com
15	manu952041@gmail.com
16	vanukuri.raghava@gmail.com
17	Shaiksakina05@gmail.com
18	us465249@gmail.com

19 vallu.srinu756939@gmail.com
 20 undelachandraobularedy@gmail.com
 21 farukh.786syed@gmail.com
 22 anushayalabolul2@gmail.com
 23 madhulathasure9@gmail.com
 24 thammisettsrikanthraj9@gmail.com
 25 mobinsk9966@gmail.com
 26 abdulkhadar6842@gmail.com
 27 ravuakshaya@gmail.com
 28 hemasanjushasanikommu828@gmail.com
 29 ynagasasikumar@gmail.com
 30 rahamtunnisashaik09@gmail.com
 31 harikaavala5@gmail.com
 32 indupriya72216@gmail.com
 33 bhavyasrisajja2003@gmail.com
 34 sudhamshavejendla@gmail.com
 35 bhanuthanirru@gmail.com
 36 nikitharayapati9@gmail.com
 37 indhupotla123@gmail.com
 38 abdulabdul22070@gmail.com
 39 jaffershaik718@gmail.com
 40 rabbanishaik7356@gmail.com
 41 reshmayalamanchi@gmail.com
 42 thiriveedhinagajyothi@gmail.com
 43 paladugudurga1@gmail.com
 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
	83
1	602515258256
2	930319053088
3	576154990146
4	895444662410
5	724574588425
6	810177524502
7	721819168061
8	617020354793
9	338666948901
10	685349832128
11	458689741091
12	663048521599
13	510305345824
14	744020413963
15	559366114423
16	424973081348
17	529261464345
18	568753875709
19	*****
20	693621780842
21	764320730678
22	830785066037
23	776486062608
24	673112205183
25	904355656468
26	334708289154

27	544305783128
28	422314863763
29	448172496292
30	406976169351
31	574930568520
32	573041880949
33	274736890047
34	587480445790
35	357228202835
36	963360828294
37	524345891620
38	347853509974
39	912229276699
40	205933956204
41	742366316353
42	330477145525
43	692162661608
44	466722650274
45	2387 70889424
46	835457902826
47	746109575146
48	208611060176
49	950519207474
50	652650486629
51	639534870436

PREPROCESSING THE DATA

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

```
<class  
'pandas.core.frame.DataFrame'>RangeInd  
ex:52entries,0to51
```

```
Datacolumns(total13columns):
```

#	Column	Non-Null	Count	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
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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
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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	CURRENT	SEMISTER\
0	True	True	True	True	True	True	True	True
1	True	True	True	True	True	True	True	True
2	True	True	True	True	True	True	True	True
3	True	True	True	True	True	True	True	True
4	True	True	True	True	True	True	True	True
5	True	True	True	True	True	True	True	True
6	True	True	True	True	True	True	True	True
7	True	True	True	True	True	True	True	True
8	True	True	True	True	True	True	True	True
9	True	True	True	True	True	True	True	True
10	True	True	True	True	True	True	True	True

11	True	True	True	True	True	True	True
12	True	True	True	True	True	True	True
13	True	True	True	True	True	True	True
14	True	True	True	True	True	True	True
15	True	True	True	True	True	False	True
16	True	True	True	True	True	True	True
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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
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29	True	True	True	True	True	False	True
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36	True	True	True	True	True	True	True
37	True	True	True	True	True	True	True
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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	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHERNAME	COURSE	C G P A	A G E	EMAIL	BRANCH	CURRENT SEMESTER	AADHARNRNO
0 2023-06-13 14:24:58.772	vennachandana1@gmail.com	Venna Chandana	21KP1A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8	19	vennachandana1@gmail.com	Data science	2-2	636336922883
1 2023-06-13 14:25:15.609	adilakshmi4765@gmail.com	N.Venkaatesh	21KP1A4468	N.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	MECH	7	20	sravankumar7156@gmail.com	mech	4	930319053088
3 2023-06-13 14:26:01.824	sandeepyeruva1124@gmail.com	Yeruva sandeepreddy	21KP1A44D1	Yeruva AjayKumarreddy	Yeruva Anjali Devi	CS E	95	20	sandeepyeruva1124@gmail.com	CSE	2-3	576154990146
4 2023-06-13 14:26:13.848	sivajibejjanki@gmail.com	B.sivaji	22kp5a4402	B.lakshmaiah	B.veramma	DS	072	23	sivajibejjanki@gmail.com	Computerscience	2-2	895444662410
5 2023-06-13 14:26:23.424	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A44C8	Y.Anjaiah	Y Lakshmi Rajyam	DS	80	19	ramyayalabolu123r@gmail.com	CSD	2-2	724574588425
6 2023-06-13 14:27:05.330	charithareddy3914@gmail.com	P.charithareddy	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	POLEPALLI.GAYATHRI	21KP1A4481	POLEPALLI.GURUBRAHMAHARI	POLEPALLI.SRI DEVI	DS	10	19	gayathripolepalli70@gmail.com	Data Science	2-2	721819168061

Time stamp	Emailaddress	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHERNAME	COURSE	C G P A	A G E	EMAIL	BRANCH	CURRENT SEMESTER	AADHARNRNO
8 2023-06-13 14:27:41.072	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1A44A9	Syed Rahiman	Syed Naseema	MECH	8	19	syedtasleem07@gmail.com	DS	2-2	617020354793
9 2023-06-13 14:28:10.012	sowjanyaathota11@gmail.com	T.SOWJANYA	21KP1A44B6	T.SAMBASIVARAO	T.ARUNA KUMARI	DS	8	19	sowjanyaathota11@gmail.com	DATA SCIENCE	2-2	338666948901
10 2023-06-13 14:28:10.559	tammasahithi1@gmail.com	Tamma Sahithi	21KP1A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.7	19	tammasahithi1@gmail.com	CSE (Data science)	2-2	685349832128
11 2023-06-13 14:28:34.026	podilarayyu6@gmail.com	PODILILAKSHMISARAYU	21KP1A4480	PODILIRAMESH	PODILILAKSHMI	DS	7.5	19	Podilarayyu6@gmail.com	DATA SCIENCE	2-2	458689741091
12 2023-06-13 14:28:43.092	shaikkarishma811@gmail.com	shaik karishma	21KP1A4496	SHAIKBAJI	SHAIK KHADRUN	DS	9	19	shaikkarishma811@gmail.com	ds	2-2	663048521599
13 2023-06-13 14:28:57.412	kumarvalaparla890@gmail.com	Venkata Aravind Kumar. V	21KP1A44C0	Veeraswamy.v	Lakshmi.v	DS	0.98	20	Kumarvalaparla890@gmail.com	Data Science	2-2	510305345824
14 2023-06-13 14:30:05.091	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1A4477	Patcha apparao	Patcha sukanya	CSE	0.99	20	Patchachinnu@gmail.com	Data science	2-2	744020413963
15 2023-06-13 14:30:05.577	manu952041@gmail.com	Pachipulusu Manohar	21KP1A4472	PachipulusuPrasad	Pachipulusu Bhavani	MECH	8.5	19	manu952041@gmail.com	NaN	2-2	559366114423

Time stamp	Emailaddress	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHE RNAME	CO UR SE	C G P A	A G E	EMAIL	BRAN CH	CUR RENT 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	Computer Science Engineering & Data Science	4	***** ***** **
2 0 2023-06-13 14:34:05.142	undelachandraobulareddy@gmail.com	Undela Chandra ObulaReddy	21KP1A44B9	Undela Chinna Obula Reddy	Undela GuruLakshmi	DS	92	20	undelachandraobulareddy@gmail.com	Computer Science	2-2	693621780842
2 1 2023-06-13 14:32:17.269	farukh.786syed@gmail.com	SYED.FARUKH	21KP1A44A7	SYED.BAJI	SYED.SARTHAJ BEGUM	DS	07	19	farukh.786syed@gmail.com	DS	2-2	764320730678
2 2 2023-06-13 14:33:08.038	anushayalabolul2@gmail.com	Anushayalabolul	21KP1A44C7	Chinna anjayya	Lakshmi narayana ma	DS	75	19	anushayalabolul2@gmail.com	CSD	2-2	830785066037
2 3 2023-06-13 14:33:16.147	madhulathasure9@gmail.com	SURE.MADHULATHA	21KP1A44A4	SURE.VISWANADHAM	SURE.SAI LAKSHMI	DS	10	20	madhulathasure9@gmail.com	Data science	2-2	776486062608

Time stamp	Emailaddress	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHERNAME	COURSE	CGPA	AGE	EMAIL	BRANCH	CURRENT SEMESTER	AADHARNRNO
2023-06-13 14:34:00.504	thammisettsrikanthraj9@gmail.com	T.Srikanth	21KP1A44B5	T.vasu	T.jaya	DS	0.75	19	thammisettsrikanthraj9@gmail.com	Data Science	2-2	673112205183
2023-06-13 14:34:24.599	shiakmobin2002@gmail.com	Shaikmobin	21KP1A4497	shaik karimullah	Shaik rihana	DS	8.8	21	mobinsk9966@gmail.com	Ds	2.2	904355656468
2023-06-13 14:34:24.985	abdulkhadar6842@gmail.com	Shaik.Abdul Khadar	21KP1A4493	Shaik.Kareem	Shaik.Farjana	ECE	8	20	abdulkhadar6842@gmail.com	NaN	2-2	334708289154
2023-06-13 14:34:31.602	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	hemasanjushanikommu828@gmail.com	hemasanjusha	21KP1A4491	musalaredy	sivaparvathi	CSE	73	18h	hemasanjushanikommu828@gmail.com	cse	2-2	422314863763
2023-06-13 14:34:52.277	ynagasasikumar@gmail.com	YNaga Sasi Kumar	21KP1A44D0	Y Ramamohanarao	Y Lalitha	DS	9.2	20	ynagasasikumar@gmail.com	NaN	2-2	448172496292
2023-06-13 14:35:26.194	rahamtunnisashaik09@gmail.com	Shaik Rahamtunnisa	21KP1A44A0	Shaik.mahaboobjani	Shaik.munni	DS	8	18	rahamtunnisashaik09@gmail.com	Data science	2-2	406976169351
2023-06-13 14:37:08.022	harikabangaram313@gmail.com	Harika	22KP5A4401	A.Subramanyam	A.Dhana Bhagyam	DS	75	19	harikaavala5@gmail.com	Data science	2-2	574930568520

Time stamp	Emailaddress	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHERNAME	COURSE	CGPA	AGE	EMAIL	BRANCH	CURRENT SEMESTER	AADHARNRNO
32 2023-06-13 14:37:44.545	indupriya72216@gmail.com	Indu PriyaP atcha	21KP 1A44 76	Appa raoPat cha	Renuka Patcha	DS	0.75	18	indupriya72216@gmail.com	Data Scienc e	2-2	57304 18809 49
33 2023-06-13 14:37:53.042	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP 1A44 90	Mohan krishna	Usharani	DS	70	19	bhavyasrisajja2003@gmail.com	Ds	2-2	27473 68900 47
34 2023-06-13 14:38:20.561	sudhamshavejendra@gmail.com	Vejendla Devi SriSudh am sha	21KP 1A44 C4	Vejendla Srinivass Rao	Vejendla LaxmiPr asanna	CS E	70	19	sudhamshavejendra@gmail.com	Cse- DataS cienc e	2_2	58748 04457 90
35 2023-06-13 14:39:17.885	bhanuthanirru@gmail.com	Thanirru Bhanuv enkatap rasad	21KP 1A44 B2	T sathyanara yana	T rama devi	DS	9.6	19	bhanuthanirru@gmail.com	NaN	2-2	35722 82028 35
36 2023-06-13 14:40:04.869	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP 1A44 87	Rayapati hanumathr ao	Rayapati malleswa ri	DS	80	19	nikitharayapati9@gmail.com	Ds	2-2	96336 08282 94
37 2023-06-13 14:44:05.463	indhupotla123@gmail.com	indhu priya	21KP 1A44 83	Lakshman arayana	Sujatha	CS E	72	19	indhupotla123@gmail.com	cse	2-2	52434 58916 20
38 2023-06-13 14:44:45.168	abdulabdul22070@gmail.com	Syed.Ab dul Rehama n	21KP 1A44 A6	Syed.Meer aSharif	Bandi.Kri shnaveni	DS	90	20	abdulabdul22070@gmail.com	DS	2-2	34785 35099 74
39 2023-06-13 14:45:56.606	jaffershaik718@gmail.com	Jaffer shaik	21KP 1A44 95	shaik.LaiL aha	shaik.Ra mjanbee	CS E	70	19	jaffershaik718@gmail.com	cse	2nd	91222 92766 99

Time stamp	Emailaddress	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHE RNAME	CO UR SE	C G P A	A G E	EMAIL	BRAN CH	CUR RENT SEM IST ER	AAD HAA RNO
40	2023-06-13 14:50:28.282	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1A4499	SHAIK MOHAMMAD HANIF	DS	9.5	21	rabbanishaik7356@gmail.com	CSD	2-2	205933956204
41	2023-06-13 15:01:15.615	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1A44C9	Yalamanchisubba Rao	DS	75	19	reshmayalamanchi@gmail.com	DS	4	742366316353
42	2023-06-13 15:04:23.806	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1A44B7	T. Venkayya	DS	75	19	thiriveedhinagajyothi@gmail.com	DS	4	330477145525
43	2023-06-13 15:16:34.142	paladugudurga1@gmail.com	P.Durga Sri	21KP1A4473	P. Amareswararao	DS	80	20	paladugudurga1@gmail.com	CSD(Data Science)	2-2	692162661608
44	2023-06-13 17:37:00.290	saidashaik371@gmail.com	SHAIK SAIDANWAR BASHA	21KP1A44A2	SHAIK KUDHANVALI	DS	80	20	Saidashaik371@gmail.com	DATA SCIENCE	2-2	466722650274
45	2023-06-13 20:39:54.489	mvkbn1312@gmail.com	R.M.V. K.Brahma Naidu	21KP1A4489	Yedukondalu	DS	7	20	mvkbn1312@gmail.com	Data science	2-2	238770889424
46	2023-06-13 20:49:03.330	nrajasambasivarao@gmail.com	Narra RajaSambaSivarao	21KP1A4471	Narra SrinivasaRao	DS	7.5	19	nrajasambasivarao@gmail.com	CSD (Data science)	4	835457902826
47	2023-06-14 09:22:24.620	saisairam068@gmail.com	Sairam	21kp1a44b4	Venkata subbiah	CS E	10	19	saisairam068@gmail.com	Da	2-2	746109575146

Time stamp	Emailaddress	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHERNAME	COURSE	CGPA	AGE	EMAIL	BRANCH	CURRENT SEMESTER	AADHAARNO	
48	2023-06-14 09:34:41.202	sriharshanallabot hu@gmail.com	Nallabot hu. SriHar sha	21KP1A4469	Nallabothu . Anjaneyulu	Nallabothu. Anitha	DS	90	21	Sriharshanallabot hu@gmail.com	CSD	2-2	208611060176
49	2023-06-14 09:37:41.272	bhuvanstarpuli@gmail.com	Puli bhuvane swar	21KP1A4484	Puli mallikarjuna	Puli ramadevi	DS	8.3	21	bhuvanstarpuli@gmail.com	Data science	2.2	950519207474
50	2023-06-14 09:37:48.696	arundathi0508@gmail.com	PANDAUAA RUNDATHI	21KP1A4474	PANDANARAYANARAO	PANDAPRASANNA LAKSHMI	DS	87	19	arundathi0508@gmail.com	CSD	2-2	652650486629
51	2023-06-14 09:38:10.231	chinnivignesh144@gmail.com	chinni vignesh teja yadav	21KP1A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80	19	chinnivignesh144@gmail.com	Data Science	4th semester	639534870436

```
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'>R  
angeIndex:52entries,0to51  
Datacolumns (total11columns):  
#      Column      Non-NullCountDtype  
-----  
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)memoryusag  
e:4.6+KBNone
```

```
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) Data
```

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	21KP1 A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.00	19	Data science	2-2	636336 922883
1	adilakshmi4765@gmail.com	N.Venkaresh	21KP1 A4468	N.Manikya Rao	N.Sri Lakshmi	CS E	83.00	19	CSE-DS	II-II	602515 258256
2	sravankumar7156@gmail.com	Sravan Kumar	21KP1 A4488	Rama Chandra Rao	Venkateswaramma	ME CH	7.00	20	mech	4	930319 053088
3	sandeepyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1 A44D1	Yeruva 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	21KP1 A44C8	Y.Anjaiah	Y LakshmiRajyam	DS	80.00	19	CSD	2-2	724574 588425
6	charithareddy3914@gmail.com	P.charitha reddy	21KP1 A4475	P.Madhava Reddy	P.Kavitha	DS	70.00	19	CSD	2.2	810177 524502

G ma il	STUDENTNAME	ROLL NUMBER	FATH ER NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UID AI NO	
7	gayathripolepalli70@gmail.com	POLEPAL LI. GAYATH RI	21KP1 A4481	POLEPALLI. GURUBRAH MACHARI	POLEPALL I.SRIDEVI	DS	10 .0 0	19	Data Science	2-2	721819 168061
8	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1 A44A9	Syed Rahiman	Syed Naseema	ME CH	8. 00	19	DS	2-2	617020 354793
9	sowjanyaatha11@gmail.com	T.SOWJA NYA	21KP1 A44B6	T.SAMBA SIVARAO	T.ARUNA KUMARI	DS	8. 00	19	DATA SCIENC E	2-2	338666 948901
10	tammasahithi1@gmail.com	Tamma Sahithi	21KP1 A44B0	Tamma krishna reddy	Tamma Padmavath i	DS	7. 70	19	CSE (Data science)	2-2	685349 832128
11	podilisarayu6@gmail.com	PODILI LAKSHMI SARAYU	21KP1 A4480	PODILI RAMESH	PODILI ADILAKSH MI	DS	7. 50	19	DATA SCIENC E	2-2	458689 741091
12	shaikkarishma811@gmail.com	shaik karishma	21KP1 A4496	SHAIKBAJI	SHAIK KHADRUN	DS	9. 00	19	ds	2-2	663048 521599
13	kumarvalaparla890@gmail.com	Venkata Aravind Kumar.V	21KP1 A44C0	Veeraswam y.v	Lakshmi.v	DS	0. 98	20	Data Science	2-2	510305 345824
14	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1 A4477	Patcha apparao	Patcha sukanya	CS E	0. 99	20	Data science	2-2	744020 413963
15	manu952041@gmail.com	Pachipulu su Manohar	21KP1 A4472	Pachipulusu Prasad	Pachipulus uBhavani	ME CH	8. 50	19	Data Science	2-2	559366 114423
16	vanukuri.raghava@gmail.com	Raghava	21KP1 A44C3	Srinivasa reddy	Jyothi	DS	7. 00	19	Data science	2-2	424973 081348
17	shaiksakina05@gmail.com	Shaik sameer	21KP1 A44A3	ShaikRahim babu	Shaik Raziya	DS	80 .0 0	20	DS	2-2	529261 464345
18	us465249@gmail.com	S skusm an	21KP1 A4492	Sskmastan vali	Mahabobb a	DS	50 .0 0	19	DS	2-2	568753 875709
19	vallu.srinu756939@gmail.com	Vallu Srinu SivaSubra hma nyam	21KP1 A44C1	Vallu Srinivasa Rao	ValluSurya kumari	DS	73 .0 0	20	Comput er Science Enginee ring& DataSci ence	4	***** ***
20	undelachandraobularedy@gmail.com	Undela Chandra Obula Reddy	21KP1 A44B9	Undela Chinna Obula Reddy	Undela GuruLaksh mi	DS	9. 20	20	Comput er Science	2-2	693621 780842

G ma il	STUDENTNAME	ROLL NUMBER	FATH ER NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UID AI NO	
21	farukh.786syed@gmail.com	SYED.FA RUKH	21KP1 A44A7	SYED.BAJI	SYED.SAR THAJ BEGUM	DS	0. 70	19	DS	2-2	764320 730678
22	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanam a	DS	75 .0 0	19	CSD	2-2	830785 066037
23	madhulathasure9@gmail.com	SURE. MADHUL ATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10 .0 0	20	Data science	2-2	776486 062608
24	thammisettySrikanthraj9@gmail.com	T.Srikanth	21KP1 A44B5	T.vasu	T.jaya	DS	0. 75	19	Data Science	2-2	673112 205183
25	shiakmobin2002@gmail.com	Shaikmob in	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8. 80	21	Ds	2.2	904355 656468
26	abdulkhadar6842@gmail.com	Shaik.Abd ulKhadar	21KP1 A4493	Shaik.Karee m	Shaik.Farja na	EC E	8. 00	20	Data Science	2-2	334708 289154
27	ravuakshaya@gmail.com	Ravu.aks haya	21KP1 A4485	Ravu.sriniva srao	Ravu.aruna kumari	DS	80 .0 0	19	Ds	2.2	544305 783128
28	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1 A4491	musalareddy	sivaparvath i	CS E	73 .0 0	18h	cse	2-2	422314 863763
29	ynagasasikumar@gmail.com	YNaga Sasi Kumar	21KP1 A44D0	Y Ramamoha narao	Y Lalitha	DS	9. 20	20	Data Science	2-2	448172 496292
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtun nisa	21KP1 A44A0	Shaik.maha boobjani	Shaik.mun ni	DS	8. 00	18	Data science	2-2	406976 169351
31	harikabangaram313@gmail.com	Harika	22KP5 A4401	A.Subraman yam	A.Dhana Bhagyam	DS	75 .0 0	19	Data science	2-2	574930 568520
32	indupriya72216@gmail.com	InduPriya Patcha	21KP1 A4476	Apparao Patcha	Renuka Patcha	DS	0. 75	18	Data Science	2-2	573041 880949
33	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1 A4490	Mohan krishna	Usharani	DS	70 .0 0	19	Ds	2-2	274736 890047
34	sudhamshavejendla@gmail.com	Vejendla DeviSriS udhams ha	21KP1 A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CS E	70 .0 0	19	Cse- DataSci ence	2_2	587480 445790
35	bhanuthanirru@gmail.com	Thanirru Bhanu venkata prasad	21KP1 A44B2	T sathyanaray ana	Trama devi	DS	9. 60	19	Data Science	2-2	357228 202835

G ma il	STUDENTNAME	ROLL NUMBER	FATH ER NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UID AI NO	
36	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1 A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80.00	19	Ds	2-2	963360828294
37	indhupotla123@gmail.com	indhu priya	21KP1 A4483	Lakshmanarayana	Sujatha	CS E	72.00	19	cse	2-2	524345891620
38	abdulabdul22070@gmail.com	Syed.Abdul Rehman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krishnaveni	DS	90.00	20	DS	2-2	347853509974
39	jaffershaik718@gmail.com	Jaffer shaik	21KP1 A4495	shaik.LaiLaha	shaik.Ramjanabee	CS E	70.00	19	cse	2nd	912229276699
40	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1 A4499	SHAIK MOHAMMAD HANIF	SHAIK MALIN	DS	9.50	21	CSD	2-2	205933956204
41	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1 A44C9	Yalamanchi subbaRao	Yalamanchi sunitha	DS	75.00	19	DS	4	742366316353
42	thiriveedhinagajyothis@gmail.com	T. Nagajyothis	21KP1 A44B7	T.Venkayya	T. Ramanjanama	DS	75.00	19	DS	4	330477145525
43	paladugudurga1@gmail.com	P.Durga Sri	21KP1 A4473	P. Amareswararao	P. Seshu Kumari	DS	80.00	20	CSD(Data Science)	2-2	692162661608
44	saidashaik371@gmail.com	SHAIK SAIDAA NWARB ASHA	21KP1 A44A2	SHAIK KUDHANVALI	SHAIK SAIDAHUSANBI	DS	80.00	20	DATASCIENCE	2-2	466722650274
45	mvkbn1312@gmail.com	R.M.V.K. Brahma Naidu	21KP1 A4489	Yedukondalu	Nirmala	DS	7.00	20	Data science	2-2	238770889424
46	nrajasambasivarao@gmail.com	Narra RajaSambaSiva Rao	21KP1 A4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.50	19	CSD (Data science)	4	835457902826
47	saisairam068@gmail.com	Sairam	21kp1a44b4	Venkata subbiah	Ravanamma	CS E	10.00	19	Da	2-2	746109575146
48	sriharshanallabothu@gmail.com	Nallabothu. SriHarsha	21KP1 A4469	Nallabothu. Anjaneyulu	Nallabothu. Anitha	DS	90.00	21	CSD	2-2	208611060176
49	bhuvanstarpuli@gmail.com	Puli bhuvanesar	21KP1 A4484	Puli mallikarjuna	Puli ramadevi	DS	8.30	21	Data science	2.2	950519207474

G ma il	STUDENTNAME	ROLL NUMBER	FATH ER NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UID AI NO	
50	arundathi0508@gmail.com	PANDA UMA ARUNDA THI	21KP1 A4474	PANDA NARAYANA RAO	PANDA PRASANN A LAKSHMI	DS	87 .0 0	19	CSD	2-2	652650 486629
51	chinnivignesh144@gmail.com	chinni vignesh tejayadav	21KP1 A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80 .0 0	19	Data Science	4th sem ester	639534 870436

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

Gmail	STUDENTNAME \
0	vennachandana1@gmail.com
1	adilakshmi4765@gmail.com
2	sravankumar7156@gmail.com
3	sandeepyeruval124@gmail.com
4	sivajibejjanki@gmail.com
5	ramyayalabolu123r@gmail.com
6	charithareddy3914@gmail.com
7	gayathripolepalli70@gmail.com
8	syedtasleem07@gmail.com
9	sowjanyaathota11@gmail.com
10	tammasahithi1@gmail.com
11	podilisarayu6@gmail.com
12	shaikkarishma811@gmail.com
13	kumarvalaparla890@gmail.com
14	patchachinnu3@gmail.com
15	manu952041@gmail.com
16	vanukuri.raghava@gmail.com
17	shaiksakina05@gmail.com
18	us465249@gmail.com
19	vallu.srinu756939@gmail.com
20	undelachandraobulareddy@gmail.com
21	farukh.786syed@gmail.com
22	anushayalabolu12@gmail.com
23	madhulathasure9@gmail.com
24	thammisettsrikanthraj9@gmail.com
25	shiakmobin2002@gmail.com
26	abdulkhadar6842@gmail.com
27	ravuakshaya@gmail.com
28	hemasanjushasanikommu828@gmail.com
29	ynagasasikumar@gmail.com
30	rahamtunnisashaik09@gmail.com

31	harikabangaram313@gmail.com	Harika
32	indupriya72216@gmail.com	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 SAIDAAANWAR 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	VennaLakshmidevi
1	21KP1A4468		N.ManikyaRao	N.SriLakshmi
2	21KP1A4488		RamaChandraRao	Venkateswaramma
3	21KP1A44D1	Yeruva	AjayKumarreddy	YeruvaAnjaliDevi
4	22kp5a4402		B.lakshmaiah	B.veramma
5	21KP1A44C8		Y.Anjaiah	YLakshmiRajyam
6	21KP1A4475		P.MadhavaReddy	P.Kavitha
7	21KP1A4481	POLEPALLI.GURUBRAHMA	CHARI	POLEPALLI.SRIDEVI
8	21KP1A44A9		SyedRahiman	SyedNaseema
9	21KP1A44B6		T.SAMBASIVARAO	T.ARUNAKUMARI
10	21KP1A44B0		Tammakrishnareddy	TammaPadmavathi
11	21KP1A4480		PODILIRAMESH	PODILIADILAKSHMI
12	21KP1A4496		SHAIKBAJI	SHAIKKHADRUN
13	21KP1A44C0		Veeraswamy.v	Lakshmi.v
14	21KP1A4477		Patchaapparao	Patchasukanya
15	21KP1A4472		PachipulusuPrasad	PachipulusuBhavani
16	21KP1A44C3		Srinivasareddy	Jyothi
17	21KP1A44A3		ShaikRahimbabu	ShaikRaziya
18	21KP1A4492		Sskmastanvali	Mahabobba
19	21KP1A44C1		ValluSrinivasaRao	Vallu Suryakumari
20	21KP1A44B9	UndelaChinnaObulaReddy		UndelaGuruLakshmi
21	21KP1A44A7		SYED.BAJI	SYED.SARTHAJBEGUM
22	21KP1A44C7		Chinnaanjayya	Lakshminarayananama
23	21KP1A44A4		SURE.VISWANADHAM	SURE.SAILAKSHMI
24	21KP1A44B5		T.vasu	T.jaya
25	21KP1A4497		shaikkarimullah	Shaikrihana
26	21KP1A4493		Shaik.Kareem	Shaik.Farjana
27	21KP1A4485		Ravu.srinivasrao	Ravu.arunakumari
28	21KP1A4491		musalareddy	sivaparvathi
29	21KP1A44D0		YRamamohanarao	YLalitha
30	21KP1A44A0		Shaik.mahaboobjani	Shaik.munni
31	22KP5A4401		A.Subramanyam	A.DhanaBhagyam
32	21KP1A4476		ApparaoPatcha	RenukaPatcha
33	21KP1A4490		Mohankrishna	Usharani
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	Datascience
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 (Datascience)
11	DS	7.50	19	DATASCIENCE
12	DS	9.00	19	ds
13	DS	0.98	20	DataScience
14	CSE	0.99	20	Datascience
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	Datascience
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	73.00	18h	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	2-2238770889424	
46	4	835457902826
47	2-2	746109575146
48	2-2	208611060176
49	2.2	950519207474
50	2-2	652650486629
514thsemester		639534870436

Data[Data['CGPA']>8.0]

G ma il	STUDENTNAME	ROLL NUMBE R	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UID AI NO	
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468	N.Manikya Rao	N.Sri Lakshmi	CS E	83.0	19	CSE-DS	II-II	602515258256
3	sandeepyeruva1124@gmail.com	Yeruvasandeepreddy	21KP1A44D1	YeruvaAjayKumarreddy	YeruvaAnjaliDevi	CS E	9.5	20	CSE	2-3	576154990146
5	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A44C8	Y.Anjaiah	YLakshmiRajyam	DS	80.0	19	CSD	2-2	724574588425
6	charithareddy3914@gmail.com	P.charithareddy	21KP1A4475	P.Madhava Reddy	P.Kavitha	DS	70.0	19	CSD	2.2	810177524502
7	gayathripolepalli70@gmail.com	POLEPALLI.GAYATHRI	21KP1A4481	POLEPALLI.GURUBRAHMACHARI	POLEPALLI.SRIDEVI	DS	10.0	19	Data Science	2-2	721819168061
12	shaikkarishma811@gmail.com	shaikkarishma	21KP1A4496	SHAIKBAAJI	SHAIK KHADRUN	DS	9.0	19	ds	2-2	663048521599
15	manu952041@gmail.com	Pachipulusu Manohar	21KP1A4472	Pachipulusu Prasad	PachipulusuBhavani	ME CH	8.5	19	Data Science	2-2	559366114423
17	shaiksakina05@gmail.com	Shaik sameer	21KP1A44A3	ShaikRahim babu	Shaik Raziya	DS	80.0	20	DS	2-2	529261464345
18	us465249@gmail.com	Sskusman	21KP1A4492	Sskmastan vali	Mahabobba	DS	50.0	19	DS	2-2	568753875709
19	vallu.srinu756939@gmail.com	ValluSrinuSivaSubrahmanyam	21KP1A44C1	Vallu Srinivasa Rao	ValluSurya kumari	DS	73.0	20	Computer Science Engineering& DataSci	4	***** ***

G ma il	STUDENTNAME	ROLL NUMBE R	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UID AI NO	
20	undelachandraobularedy@gmail.com	Undela Chandra Obula Reddy	21KP1 A44B9	Undela ChinnaObula Reddy	Undela GuruLaksh mi	DS	9. 2	20	Comput er Science	2-2	693621 780842
22	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanam a	DS	75 .0	19	CSD	2-2	830785 066037
23	madhulathasure9@gmail.com	SURE. MADHU LATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10 .0	20	Data science	2-2	776486 062608
25	shiakmobin2002@gmail.com	Shaikmo bin	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8. 8	21	Ds	2.2	904355 656468
27	ravuakshaya@gmail.com	Ravu.ak shaya	21KP1 A4485	Ravu.sriniva srao	Ravu.aruna kumari	DS	80 .0	19	Ds	2.2	544305 783128
28	hemasanjushasanikommu828@gmail.com	hema sanjush a	21KP1 A4491	musalareddy	sivaparvathi	CS E	73 .0	18h	cse	2-2	422314 863763
29	ynagasasikumar@gmail.com	YNaga Sasi Kumar	21KP1 A44D0	Y Ramamoha narao	Y Lalitha	DS	9. 2	20	Data Science	2-2	448172 496292
31	harikabangaram313@gmail.com	Harika	22KP5 A4401	A.Subraman yam	A.Dhana Bhagyam	DS	75 .0	19	Data science	2-2	574930 568520
33	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1 A4490	Mohan krishna	Usharani	DS	70 .0	19	Ds	2-2	274736 890047
34	sudhamshavejendla@gmail.com	Vejendla Devi SriSudh am sha	21KP1 A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CS E	70 .0	19	Cse- DataSci ence	2_2	587480 445790
35	bhanuthanirru@gmail.com	Thanirru Bhanuv enkatap rasad	21KP1 A44B2	T sathyanaray ana	Tramadevi	DS	9. 6	19	Data Science	2-2	357228 202835
36	nikitharayapati9@gmail.com	Nikhitha Rayapat i	21KP1 A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80 .0	19	Ds	2-2	963360 828294
37	indhupotla123@gmail.com	indhu priya	21KP1 A4483	Lakshmanar ayana	Sujatha	CS E	72 .0	19	cse	2-2	524345 891620
38	abdulabdul22070@gmail.com	Syed.Ab dul Rehama n	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krish naveni	DS	90 .0	20	DS	2-2	347853 509974
39	jaffershaik718@gmail.com	Jaffer shaik	21KP1 A4495	shaik.LaiLah a	shaik.Ramj anbee	CS E	70 .0	19	cse	2nd	912229 276699

Gmail	STUDENTNAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRANCH	SEMESTER	UID AI NO
40	rabbanishaik7356@gmail.com	SHAIK RABBA NI	21KP1 A4499	SHAIK MOHAMMAD HANIF	SHAIK MALIN	DS	9.5	21	CSD	2-2 205933 956204
41	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1 A44C9	Yalamanchi subbaRao	Yalamanchi sunitha	DS	75.0	19	DS	4 742366 316353
42	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1 A44B7	T.Venkayya	T. Ramanjamma	DS	75.0	19	DS	4 330477 145525
43	paladugudurga1@gmail.com	P. Durga Sri	21KP1 A4473	P. Amareswara rao	P. Seshu Kumari	DS	80.0	20	CSD(Data Science)	2-2 692162 661608
44	saidashaik371@gmail.com	SHAIK 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	Nallabothu. SriHarsha	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 ARUNDATHI	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 semester 639534 870436

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

	Gmail	STUDENTNAME	ROLLNUMBER\
21	farukh.786syed@gmail.com	SYED.FARUKH	21KP1A44A7
4	sivajibejjanki@gmail.com	B.sivaji	22kp5a4402
24	thammisettysrikanthraj9@gmail.com	T.Srikanth	21KP1A44B5

32	indupriya72216@gmail.com	Indu 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	ramyayalabolul23r@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	SHAIKSAIDANWARBASHA	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	STUDENTNAME	ROLLNUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	SEMISTER	UI	DA	NO
AGE	BRANCH									
18	Data Science	indupriya72216@gmail.com	InduPriya Patcha	21KP1A 4476	Apparao Patcha	Renuka Patcha	DS	0.75	2-2	573041880949
	Data science	rahamtunnisashaik09@gmail.com	Shaik Rahamtu nnisa	21KP1A 44A0	Shaik.maha boobjani	Shaik.munni	DS	8.00	2-2	406976169351
19	CSD	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A 44C8	Y.Anjaiah	Y Lakshm	DS	80.00	2-2	724574588425
	CSD (Data science)	nrajasambasivarao@gmail.com	Narra RajaSambaSiva Rao	21KP1A 4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.50	4	835457902826
	CSE (Data science)	tammasahithi1@gmail.com	Tamma	21KP1A	Tamma krishna reddy	Tamma Padmavathi	DS	7.70	2-2	685349832128
	CSE-DS	adilakshmi4765@gmail.com	N.Venkat	21KP1A N.Manikyaesh		N.Sri Lakshmi	CSE	83.00	II-II	602515258256

Gmail	STUDENT NAME	ROLLNUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	SEMISTER	UI DA I NO		
AGE	BRANCH									
	Cse-DataScience	sudhamshavejendla@gmail.com	Vejendla DeviSriSudhamsaha	21KP1A44C4	Vejendla Srinivass Rao	Vejendla Laxmi Prasanna	CSE	70.00	2-2	587480445790
	DATA SCIENCE	sowjanya11@gmail.com	T.SOWJANYA	21KP1A44B6	T.SAMBA SIVARAO	T.ARUNA KUMARI	DS	8.00	2-2	338666948901
	DS	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1A44A9	Syed Rahiman	Syed Naseema	MECH	8.00	2-2	617020354793
	Da	saisairam068@gmail.com	Sairam	21kp1a44b4	Venkata subbiah	Ravanamma	CSE	10.00	2-2	746109575146
	Data Science	manu952041@gmail.com	Pachipulusu Manohar	21KP1A4472	Pachipulusu Prasad	Pachipulusu Bhavani	MECH	8.50	2-2	559366114423
	Data Science	gayathripolepalli70@gmail.com	POLEPALLI. GAYATHRI	21KP1A4481	POLEPALLI. GURUBRAHMACHARI	POLEPALLI. SRIDEVI	DS	10.00	2-2	721819168061
	Data science	vanukuri.raghava@gmail.com	Raghava	21KP1A44C3	Srinivasa reddy	Jyothi	DS	7.00	2-2	424973081348
	Data science	vennachandana1@gmail.com	Venna Chandana	21KP1A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.00	2-2	636336922883
	Ds	ravuakshaya@gmail.com	Ravu.aks haya	21KP1A4485	Ravu.srinivasa rao	Ravu.aruna kumari	DS	80.00	2-2	544305783128
	cse	indhupotla123@gmail.com	indhu priya	21KP1A4483	Lakshmanarayana	Sujatha	CSE	72.00	2-2	524345891620
	ds	shaikkarishma811@gmail.com	shaik karishma	21KP1A4496	SHAIKBAJI	SHAIK KHADRUN	DS	9.00	2-2	663048521599
20	CSD(Data Science)	paladugudurga1@gmail.com	P.Durga Sri	21KP1A4473	P. Amareswara rao	P. Seshu Kumari	DS	80.00	2-2	692162661608
	CSE	sandeepyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1A44D1	Yeruva Ajay Kumar reddy	Yeruva AnjaliDevi	CSE	9.50	2-3	576154990146
	Computer Science	undelachandraobulareddy@gmail.com	Undela Chandra Obula Reddy	21KP1A44B9	Undela Chinna Obula Reddy	Undela GuruLakshmi	DS	9.20	2-2	693621780842

Gmail	STUDENT NAME	ROLLNUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	SEMISTER	UID	DA	I	NO
AGE	BRANCH										
	Computer Science Engineering & Data Science	vallu.srinu756939@gmail.com	Vallu Srinu SivaSubrahmanyam	21KP1A44C1	Vallu Srinivasa Rao	ValluSurya kumari	DS	73.00	4	*****	**
	DATASCIENCE	saidashaik371@gmail.com	SHAIK SAIDAA NWARB ASHA	21KP1A44A2	SHAIK KUDHAN VALI	SHAIK SAIDAHUS SANBI	DS	80.00	2-2	4667226	50274
	DS	shaiksakina05@gmail.com	Shaik sameer	21KP1A44A3	Shaik Rahimbabu	ShaikRaziya	DS	80.00	2-2	5292614	64345
	Data Science	abdulkhadar6842@gmail.com	Shaik.AbdulKhadar	21KP1A4493	Shaik.Kareem	Shaik.Farjana	ECE	8.00	2-2	3347082	89154
	Data Science	kumarvalaparla890@gmail.com	Venkata Aravind Kumar.V	21KP1A44C0	Veeraswamy.v	Lakshmi.v	DS	0.98	2-2	5103053	45824
	Data science	mvkbn1312@gmail.com	R.M.V.K. Brahma Naidu	21KP1A4489	Yedukondalu	Nirmala	DS	7.00	2-2	23877088	9424
	Data science	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1A4477	Patcha apparao	Patcha sukanya	CSE	0.99	2-2	7440204	13963
	mech	sravankumar7156@gmail.com	Sravan Kumar	21KP1A4488	Rama Chandra Rao	Venkateswaramma	MECH	7.00	4	9303190	53088
	CSD	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1A4499	SHAIK MOHAMMAD HANIF	SHAIK MALIN	DS	9.50	2-2	2059339	56204
21	Data science	bhuvanstarpuli@gmail.com	Puli bhuvanesar	21KP1A4484	Puli mallikarjuna	Puli ramadevi	DS	8.30	2-2	9505192	07474
	Ds	shiakmobin2002@gmail.com	Shaikmobin	21KP1A4497	shaik karimullah	Shaikrihana	DS	8.80	2-2	9043556	56468
23	Computer science	sivajibejjanki@gmail.com	B.sivaji	22kp5a4402	B.lakshmaiah	B.veramma	DS	0.72	2-2	8954446	62410
18h	cse	hemasanjushasanikomm828@gmail.com	hema sanjusha	21KP1A4491	musalareddy	sivaparvathi	CSE	73.00	2-2	4223148	63763

Data.describe()

CGPA

count52.000000

mean37.657500

std35.381352mi

n0.70000025%8

.000000

50%9.800000

75%75.000000

max90.000000

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

f

G ma il	STUDENTNAME	ROLL NUMBER	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UI DA I NO	
0	vennachandana1@gmail.com	Venna Chandana	21KP1 A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.0 0	19	Data science	2-2	636336 922883
4	sivajibejjanki@gmail.com	B.sivaji	22kp5a 4402	B.lakshmaiah	B.veramma	DS	0.7 2	23	Comput er science	2-2	895444 662410
5	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1 A44C8	Y.Anjaiah	Y LakshmiRajyam	DS	80. 00	19	CSD	2-2	724574 588425
6	charithareddy3914@gmail.com	P.charitha reddy	21KP1 A4475	P.Madhava Reddy	P.Kavitha	DS	70. 00	19	CSD	2.2	810177 524502
7	gayathripolepalli70@gmail.com	POLEPAL LI. GAYATH RI	21KP1 A4481	POLEPALLI. GURUBRAH MACHARI	POLEPALLI .SRIDEVI	DS	10. 00	19	Data Science	2-2	721819 168061
9	sowjanyaathota11@gmail.com	T.SOWJA NYA	21KP1 A44B6	T.SAMBA SIVARAO	T.ARUNA KUMARI	DS	8.0 0	19	DATA SCIENC E	2-2	338666 948901
10	tammasahithi1@gmail.com	Tamma Sahithi	21KP1 A44B0	Tamma krishna reddy	Tamma Padmavathi	DS	7.7 0	19	CSE (Data science)	2-2	685349 832128

G ma il	STUDENTNAME	ROLL NUMBER	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UI DA I NO	
11	podilisarayu6@gmail.com	PODILI LAKSHMI SARAYU	21KP1 A4480	PODILI RAMESH	PODILI ADILAKSH MI	DS	7.5 0	19	DATA SCIENC E	2-2	458689 741091
12	shaikkarishma811@gmail.com	shaik karishma	21KP1 A4496	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
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	Shaik Raziya	DS	80. 00	20	DS	2-2	529261 464345
18	us465249@gmail.com	S skusm an	21KP1 A4492	Sskmasthan vali	Mahabobba	DS	50. 00	19	DS	2-2	568753 875709
19	vallu.srinu756939@gmail.com	Vallu Srinu SivaSubra hman nyam	21KP1 A44C1	Vallu Srinivasa Rao	ValluSurya kumari	DS	73. 00	20	Comput er Science Engineer ing& DataSci ence	4	***** ***
20	undelachandraobularedy@gmail.com	Undela Chandra Obula Reddy	21KP1 A44B9	Undela ChinnaObula Reddy	Undela GuruLaksh mi	DS	9.2 0	20	Comput er Science	2-2	693621 780842
21	farukh.786syed@gmail.com	SYED.FA RUKH	21KP1 A44A7	SYED.BAJI	SYED.SAR THAJ BEGUM	DS	0.7 0	19	DS	2-2	764320 730678
22	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanam a	DS	75. 00	19	CSD	2-2	830785 066037
23	madhulathasure9@gmail.com	SURE. MADHUL ATHA	21KP1 A44A4	SURE.VISW ANADHAM	SURE.SAI LAKSHMI	DS	10. 00	20	Data science	2-2	776486 062608
24	thammisetysrikanthraj9@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	Shaikmobi n	21KP1 A4497	shaik karimullah	Shaik rihana	DS	8.8 0	21	Ds	2.2	904355 656468
27	ravuakshaya@gmail.com	Ravu.aksh aya	21KP1 A4485	Ravu.sriniva srao	Ravu.aruna kumari	DS	80. 00	19	Ds	2.2	544305 783128
29	ynagasasikumar@gmail.com	YNaga Sasi Kumar	21KP1 A44D0	Y Ramamoha narao	Y Lalitha	DS	9.2 0	20	Data Science	2-2	448172 496292

G ma il	STUDENTNAME	ROLL NUMBER	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UI DA I NO	
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtunnisa	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	bhavyasrisajja2003@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 sathyanaray 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.Krish naveni	DS	90. 00	20	DS	2-2	347853 509974
40	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1 A4499	SHAIK MOHAMMA D HANIF	SHAIK MALIN	DS	9.5 0	21	CSD	2-2	205933 956204
41	reshmayalamanchi@gmail.com	Reshma yalamanc hi	21KP1 A44C9	Yalamanchi subbaRao	Yalamanchi sunitha	DS	75. 00	19	DS	4	742366 316353
42	thiriveedhinagajyothis@gmail.com	T. Nagajyothis	21KP1 A44B7	T.Venkayya	T. Ramanjam ma	DS	75. 00	19	DS	4	330477 145525
43	paladugudurga1@gmail.com	P.Durga Sri	21KP1 A4473	P. Amareswara rao	P. Seshu Kumari	DS	80. 00	20	CSD(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 RajaSambaSiva 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

G ma il	STUDENTNAME	ROLL NUMBER	FATHE R NAME	MOTHER NAME	COURSE	CG PA	A G E	BRA NCH	SEMIST ER	UI DA I NO	
49	bhuvanstarpuli@gmail.com	Puli bhuvanes war	21KP1 A4484	Puli mallikarjuna	Puli ramadevi	DS	8.3 0	21	Data science	2.2	950519 207474
50	arundathi0508@gmail.com	PANDA UMA ARUNDA THI	21KP1 A4474	PANDA NARAYANA RAO	PANDA PRASANN 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

Gm ail	STUDENTNAME	ROLL NUMB ER	FATHE R NAME	MOTHER NAME	COURS E	CG PA	AG E	BRA NCH	SEMIS TER	UID AI NO	
1	adilakshmi4765@gmail.com	N.Venk atesh	21KP1A 4468	N.Manikya Rao	N.Sri Lakshmi	CS E	83. 00	19	CSE- DS	II-II	6025152 58256
3	sandeepyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1A 44D1	Yeruva 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	hemasanjushasanikommu828@gmail.com	hema sanjush a	21KP1A 4491	musalaredd y	sivaparv athi	CS E	73. 00	18h	cse	2-2	4223148 63763
34	sudhamshavejendla@gmail.com	Vejendl aDevi Sri Sudha msha	21KP1A 44C4	Vejendla Srinivass Rao	Vejendl a LaxmiPr asann a	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	jaffershaik718@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	BRANCH	SEMISTER	UID AI NO	
47	saisairam068@gmail.com	Sairam	21kp1a44b4	Venkata subbiah	Ravana mma	CS E	10.00	19	Da	2-2	746109575146

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

2

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

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

3

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

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

4

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMIS TER	UIDAI NO
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtu nnisa	21KP1A4 4A0	Shaik.mahabo objani	Shaik.m unni	DS	8.00	18	Data science	2-2	40697616 9351
32	indupriya72216@gmail.com	Indu PriyaP atcha	21KP1A4 476	Appa raoPat cha	Renuka Patcha	DS	0.75	18	Data Scienc e	2-2	57304188 0949
In [22] :											
df5=Data.groupby('AGE').get_group(19)df5											
	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A GE	BRA NCH	SEMIS TER	UIDAI NO
0	vennachandana1@gmail.com	Venna Chandana	21KP1A 44C5	Venna Ramanared dy	Venna Lakshmidevi	DS	8.00	19	Data scienc e	2-2	6363369 22883
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1A 4468	N.Manikya Rao	N.SriLakshmi	CSE	83.0 0	19	CSE- DS	II-II	6025152 58256
5	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1A 44C8	Y.Anjaiah	YLakshmi Rajyam	DS	80.0 0	19	CSD	2-2	7245745 88425
6	charithareddy3914@gmail.com	P.charitha reddy	21KP1A 4475	P.Madhava Reddy	P.Kavitha	DS	70.0 0	19	CSD	2.2	8101775 24502
7	gayathripolepalli70@gmail.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
9	sowjanyathota11@gmail.com	T.SOWJAN YA	21KP1A 44B6	T.SAMBA SIVA RAO	T.ARUNA KUMARI	DS	8.00	19	DAT A SCIE NCE	2-2	3386669 48901
10	tammasahithi1@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 ADILAKSHM I	DS	7.50	19	DAT A SCIE NCE	2-2	4586897 41091

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRA NCH	SEMIS TER	UIDAI NO
1 2	shaikkarishma811@gmail.com	shaik karishma	21KP1A 4496	SHAIK BAJI	SHAIK KHADRUN	DS	9.00	19	ds	2-2	6630485 21599
1 5	manu952041@gmail.com	Pachipulusu Manohar	21KP1A 4472	PachipulusuPrasad	Pachipulusu Bhavani	MECH	8.50	19	Data Science	2-2	5593661 14423
1 6	vanukuri.raghava@gmail.com	Raghava	21KP1A 44C3	Srinivasa reddy	Jyothi	DS	7.00	19	Data science	2-2	4249730 81348
1 8	us465249@gmail.com	Sskusman	21KP1A 4492	S skmastanvali	Mahabobba	DS	50.00	19	DS	2-2	5687538 75709
2 1	farukh.786syed@gmail.com	SYED.FAR UKH	21KP1A 44A7	SYED.BAJI	SYED.SART HAJBEGUM	DS	0.70	19	DS	2-2	7643207 30678
2 2	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1A 44C7	Chinna anjayya	Lakshmi narayanama	DS	75.00	19	CSD	2-2	8307850 66037
2 4	thammisettsrikanthraj9@gmail.com	T.Srikanth	21KP1A 44B5	T.vasu	T.jaya	DS	0.75	19	Data Science	2-2	6731122 05183
2 7	ravuakshaya@gmail.com	Ravu.akshaya	21KP1A 4485	Ravu.srinivasrao	Ravu.aruna kumari	DS	80.00	19	Ds	2.2	5443057 83128
3 1	harikabangaram313@gmail.com	Harika	22KP5A 4401	A.Subramanyam	A.Dhana Bhagyam	DS	75.00	19	Data science	2-2	5749305 68520
3 3	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1A 4490	Mohan krishna	Usharani	DS	70.00	19	Ds	2-2	2747368 90047
3 4	sudhamshavejendla@gmail.com	Vejendla DeviSriSudhamsha	21KP1A 44C4	Vejendla Srinivass Rao	Vejendla LaxmiPrasanna	CSE	70.00	19	Cse-DataScience	2_2	5874804 45790
3 5	bhanuthanirru@gmail.com	Thanirru Bhanuv enkatap rasad	21KP1A 44B2	T sathyanarayana	T ramadevi	DS	9.60	19	Data Science	2-2	3572282 02835
3 6	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1A 4487	Rayapati hanumathrao	Rayapati malleswari	DS	80.00	19	Ds	2-2	9633608 28294
3 7	indhupotla123@gmail.com	indhupriya	21KP1A 4483	Lakshmana rayana	Sujatha	CSE	72.00	19	cse	2-2	5243458 91620
3 9	jaffershaik718@gmail.com	Jaffershaik	21KP1A 4495	shaik.LaiLaha	shaik.Ramjan bee	CSE	70.00	19	cse	2nd	9122292 76699
4 1	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1A 44C9	Yalamanchi subba Rao	Yalamanchi sunitha	DS	75.00	19	DS	4	7423663 16353

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMISTER	UIDAI NO
42	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1A44B7	T. Venkayya	T. Ramanjamma	DS	75.00	19	DS	4	330477145525
46	nrajasambasivarao@gmail.com	Narra RajaSamba Siva Rao	21KP1A4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.50	19	CSD (Data science)	4	835457902826
47	saisairam068@gmail.com	Sairam	21kp1a44b4	Venkata subbiah	Ravanamma	CSE	10.00	19	Da	2-2	746109575146
50	arundathi0508@gmail.com	PANDA UMAARU NDATHI	21KP1A4474	PANDA NARAYA NARAO	PANDA PRASANNA LAKSHMI	DS	87.00	19	CSD	2-2	652650486629
51	chinnivignesh144@gmail.com	chinni vigneshtejayadav	21KP1A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80.00	19	Data Science	4th semester	639534870436
df6=Data.groupby('AGE').get_group(20)df6											
	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMISTER	UIDAI NO
2	sravankumar7156@gmail.com	Sravan Kumar	21KP1A4488	Rama Chandra Rao	Venkateswaramamma	MECH	7.00	20	mech	4	930319053088
3	sandeepyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1A44D1	Yeruva AjayKumarr eddy	Yeruva Anjali Devi	CSE	9.50	20	CSE	2-3	576154990146
13	kumarvalaparla890@gmail.com	Venkata Aravind Kumar.V	21KP1A44C0	Veeraswamy.v	Lakshmi.v	DS	0.98	20	Data Science	2-2	510305345824
14	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1A4477	Patchaapparao	Patcha sukanya	CSE	0.99	20	Data science	2-2	744020413963
17	shaiksakina05@gmail.com	Shaik sameer	21KP1A44A3	ShaikRahim babu	Shaik Raziya	DS	80.00	20	DS	2-2	529261464345
19	vallu.srinu756939@gmail.com	Vallu Srinu SivaSubrahmanyam	21KP1A44C1	ValluSrinivasa Rao	Vallu Suryakumari	DS	73.00	20	Computer ScienceEngineering& DataScience	4	***** *****

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

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

7

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

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

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

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

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
1 2	shaikkarishma811@gmail.com	shaik karishma	21KP1 A4496	SHAIKBAJI	SHAIK KHADRUN	DS	9.00	19	ds	2-2	663048 521599
1 3	kumarvalaparla890@gmail.com	Venkata Aravind Kumar.V	21KP1 A44C0	Veeraswamy.v	Lakshmi.v	DS	0.98	20	Data Science	2-2	510305 345824
1 4	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1 A4477	Patcha apparao	Patcha sukanya	CSE	0.99	20	Data science	2-2	744020 413963
1 5	manu952041@gmail.com	Pachipulusu Manohar	21KP1 A4472	Pachipulusu Prasad	Pachipulusu Bhavani	MECH	8.50	19	Data Science	2-2	559366 114423
1 6	vanukuri.raghava@gmail.com	Raghava	21KP1 A44C3	Srinivasa reddy	Jyothi	DS	7.00	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	Sskmasthan vali	Mahabobba	DS	50.00	19	DS	2-2	568753 875709
1 9	vallu.srinu756939@gmail.com	ValluSrinu Siva Subrahman yam	21KP1 A44C1	Vallu SrinivasaRao	ValluSurya kumari	DS	73.00	20	ComputerScience Engineering& DataScience	4	*****
2 0	undelachandraobularedy@gmail.com	Undela Chandra ObulaReddy	21KP1 A44B9	Undela ChinnaObula Reddy	Undela GuruLakshmi	DS	9.20	20	ComputerScience	2-2	693621 780842
2 1	farukh.786syed@gmail.com	SYED.FAR UKH	21KP1 A44A7	SYED.BAJI	SYED.SART HAJ BEGUM	DS	0.70	19	DS	2-2	764320 730678
2 2	anushayalabolu12@gmail.com	Anusha yalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanama	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	thammisettysrikanthraj9@gmail.com	T.Srikanth	21KP1 A44B5	T.vasu	T.jaya	DS	0.75	19	Data Science	2-2	673112 205183
2 5	shiakmobin2002@gmail.com	Shaikmobin	21KP1 A4497	shaik karimullah	Shaikrihana	DS	8.80	21	Ds	2.2	904355 656468
2 6	abdulkhadar6842@gmail.com	Shaik.Abdu lKhadar	21KP1 A4493	Shaik.Kareem	Shaik.Farjana	ECE	8.00	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	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
28	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1 A4491	musalareddy	sivaparvathi	CSE	73.00	18	cse	2-2	422314863763
29	ynagasasikumar@gmail.com	Y NagaSasiKumar	21KP1 A44D0	Y Ramamohanarao	Y Lalitha	DS	9.20	20	Data Science	2-2	448172496292
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtunnisa	21KP1 A44A0	Shaik.mahabobjani	Shaik.munni	DS	8.00	18	Data science	2-2	406976169351
31	harikabangaram313@gmail.com	Harika	22KP5 A4401	A.Subramanyam	A.Dhana Bhagyam	DS	75.00	19	Data science	2-2	574930568520
32	indupriya72216@gmail.com	InduPriya Patcha	21KP1 A4476	ApparaoPatcha	Renuka Patcha	DS	0.75	18	Data Science	2-2	573041880949
33	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1 A4490	Mohankrishna	Usharani	DS	70.00	19	Ds	2-2	274736890047
34	sudhamshavejendla@gmail.com	Vejendla DeviSriSudhamsha	21KP1 A44C4	Vejendla SrinivassRao	Vejendla LaxmiPrasanna	CSE	70.00	19	Cse-DataScience	2_2	587480445790
35	bhanuthanirru@gmail.com	Thanirru Bhanuv enkatap rasad	21KP1 A44B2	T sathyanarayana	T ramadevi	DS	9.60	19	Data Science	2-2	357228202835
36	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1 A4487	Rayapathananumathrao	Rayapathamalleswari	DS	80.00	19	Ds	2-2	963360828294
37	indhupotla123@gmail.com	indhupriya	21KP1 A4483	Lakshmanarayana	Sujatha	CSE	72.00	19	cse	2-2	524345891620
38	abdulabdul22070@gmail.com	Syed.Abdul Rehman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krishnaveni	DS	90.00	20	DS	2-2	347853509974
39	jaffershaik718@gmail.com	Jaffershaik	21KP1 A4495	shaik.LaiLaha	shaik.Ramjanbee	CSE	70.00	19	cse	2nd	912229276699
40	rabbanishaik7356@gmail.com	SHAIK RABBANI	21KP1 A4499	SHAIK MOHAMMA DHANIF	SHAIK MALIN	DS	9.50	21	CSD	2-2	205933956204
41	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1 A44C9	Yalamanchi subbaRao	Yalamanchi sunitha	DS	75.00	19	DS	4	742366316353
42	thiriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1 A44B7	T.Venkayya	T. Ramanjammam	DS	75.00	19	DS	4	330477145525
43	paladugudurga1@gmail.com	P. DurgaSri	21KP1 A4473	P. Amareswararao	P. SeshuKumari	DS	80.00	20	CSD(Data Science)	2-2	692162661608

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMESTER	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	mykbn1312@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 vigneshteja yadav	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	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
0	vennachandana1@gmail.com	Venna Chandana	21KP1 A44C5	Venna Ramanareddy	Venna Lakshmid devi	DS	8.00	19	Data science	2-2	636336 922883
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1 A4468	N.Maniky a 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	MECH	7.00	20	mech	4	930319 053088

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMI-STER	UIDAI NO
3	sandeepyeruva1124@gmail.com	Yeruva sandeep reddy	21KP1 A44D1	Yeruva AjayKumarr eddy	Yeruva AnjaliDevi	CSE	9.50	20	CSE	2-3	576154 990146
4	sivajibejjanki@gmail.com	B.sivaji	22kp5a 4402	B.lakshmaiah	B.veramma	DS	0.72	23	Computer science	2-2	895444 662410
5	ramyayalabolu123r@gmail.com	Y.Ramya	21KP1 A44C8	Y.Anjaiah	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	POLEPAL LI. 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	MECH	8.00	19	DS	2-2	617020 354793
9	sowjanyaathota11@gmail.com	T.SOWJANYA	21KP1 A44B6	T.SAMBA SIVARAO	T.ARUNA KUMARI	DS	8.00	19	DATA SCIENCE	2-2	338666 948901
10	tammasahithi1@gmail.com	Tamma Sahithi	21KP1 A44B0	Tamma krishnareddy	Tamma Padmavathi	DS	7.70	19	CSE (Data science)	2-2	685349 832128
11	podilisarayu6@gmail.com	PODILI LAKSHMI SARAYU	21KP1 A4480	PODILI RAMESH	PODILI ADILAKSHMI	DS	7.50	19	DATA SCIENCE	2-2	458689 741091
12	shaikkarishma811@gmail.com	shaik karishma	21KP1 A4496	SHAIKBAJI	SHAIK KHADRUN	DS	9.00	19	ds	2-2	663048 521599
13	kumarvalaparla890@gmail.com	Venkata Aravind Kumar.V	21KP1 A44C0	Veeraswamy.v	Lakshmi.v	DS	0.98	20	Data Science	2-2	510305 345824
14	patchachinnu3@gmail.com	Patcha Jaswanth	21KP1 A4477	Patcha apparao	Patcha sukanya	CSE	0.99	20	Data science	2-2	744020 413963
15	manu952041@gmail.com	Pachipulusu Manohar	21KP1 A4472	Pachipulusu Prasad	Pachipulusu Bhavani	MECH	8.50	19	Data Science	2-2	559366 114423
16	vanukuri.raghava@gmail.com	Raghava	21KP1 A44C3	Srinivasa reddy	Jyothi	DS	7.00	19	Data science	2-2	424973 081348
17	shaiksakina05@gmail.com	Shaik sameer	21KP1 A44A3	ShaikRahim babu	ShaikRaziya	DS	80.00	20	DS	2-2	529261 464345
18	us465249@gmail.com	Sskusman	21KP1 A4492	Sskmasthan 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 ScienceEngineering	4	*****

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
		Subrahman yam							ng& DataSci ence		
20	undelachandraobularedy@gmail.com	Undela Chandra Obula Reddy	21KP1 A44B9	Undela Chinna Obula Reddy	Undela GuruLakshmi	DS	9.20	20	Computer Science	2-2	693621780842
21	farukh.786syed@gmail.com	SYED.FARUKH	21KP1 A44A7	SYED.BAJI	SYED.SARTHAJ BEGUM	DS	0.70	19	DS	2-2	764320730678
22	anushayalabolu12@gmail.com	Anushayalabolu	21KP1 A44C7	Chinna anjayya	Lakshmi narayanama	DS	75.00	19	CSD	2-2	830785066037
23	madhulathasure9@gmail.com	SURE.MADHULATHA	21KP1 A44A4	SURE.VISWANADHAM	SURE.SAILAKSHMI	DS	10.00	20	Data science	2-2	776486062608
24	thammisettsrikanthraj9@gmail.com	T.Srikanth	21KP1 A44B5	T.vasu	T.jaya	DS	0.75	19	Data Science	2-2	673112205183
25	shiakmobin2002@gmail.com	Shaikmobin	21KP1 A4497	shaik karimullah	Shaikrihana	DS	8.80	21	Ds	2.2	904355656468
26	abdulkhadar6842@gmail.com	Shaik.Abdu IKhadar	21KP1 A4493	Shaik.Kareem	Shaik.Farjana	ECE	8.00	20	Data Science	2-2	334708289154
27	ravuakshaya@gmail.com	Ravu.akshaya	21KP1 A4485	Ravu.srinivasao	Ravu.aruna kumari	DS	80.00	19	Ds	2.2	544305783128
28	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1 A4491	musalareddy	sivaparvathi	CSE	73.00	18	cse	2-2	422314863763
29	ynagasasikumar@gmail.com	Y NagaSasiKumar	21KP1 A44D0	Y Ramamohanarao	Y Lalitha	DS	9.20	20	Data Science	2-2	448172496292
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtunnisa	21KP1 A44A0	Shaik.mahabobjani	Shaik.munni	DS	8.00	18	Data science	2-2	406976169351
31	harikabangaram313@gmail.com	Harika	22KP5 A4401	A.Subramanyam	A.Dhana Bhagyam	DS	75.00	19	Data science	2-2	574930568520
32	indupriya72216@gmail.com	InduPriya Patcha	21KP1 A4476	Apparao Patcha	Renuka Patcha	DS	0.75	18	Data Science	2-2	573041880949
33	bhavyasrisajja2003@gmail.com	Bhavya sri	21KP1 A4490	Mohankrishna	Usharani	DS	70.00	19	Ds	2-2	274736890047
34	sudhamshavejendla@gmail.com	Vejendla DeviSridhamsha	21KP1 A44C4	Vejendla SrinivassRao	Vejendla LaxmiPrasanna	CSE	70.00	19	Cse-DataScience	2_2	587480445790
35	bhanuthanirru@gmail.com	Thanirru Bhanuv enkata prasad	21KP1 A44B2	T sathyanarayana	T ramadevi	DS	9.60	19	Data Science	2-2	357228202835

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CG PA	AGE	BRANCH	SEMESTER	UIDAI NO
36	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1 A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80.00	19	Ds	2-2	963360 828294
37	indhupotla123@gmail.com	indhupriya	21KP1 A4483	Lakshmanarayana	Sujatha	CSE	72.00	19	cse	2-2	524345 891620
38	abdulabdul22070@gmail.com	Syed.Abdul Rehaman	21KP1 A44A6	Syed.Meera Sharif	Bandi.Krishnaveni	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 MOHAMMADHANIF	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	thiriveedhinagajyothis@gmail.com	T. Nagajyothis	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. SeshuKumari	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 SAIDAHUSANBI	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 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

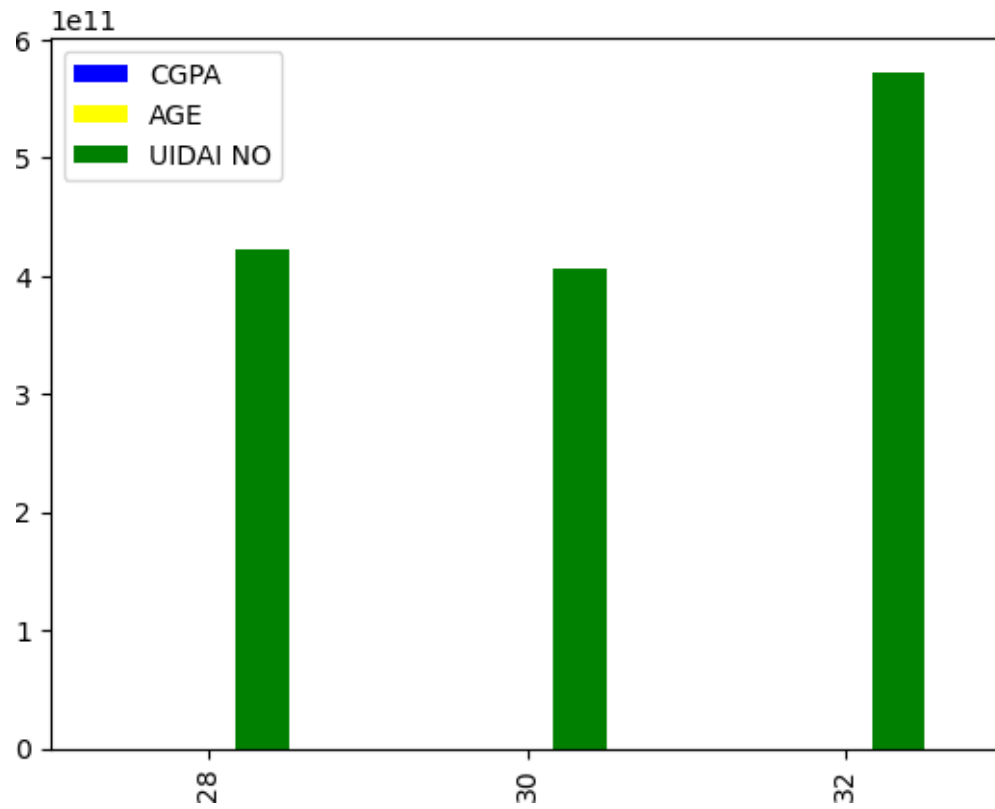
```
df4=df.ata.groupby('AGE').get_group(18)df4
```

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRANCH	SEMESTER	UIDAINO
28	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1A4491	musalareddy	sivaparvathi	CSE	73.00	18	cse	2-2	422314863763
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtu nnisa	21KP1A44A0	Shaik.mahab oobjani	Shaik.m unni	DS	8.00	18	Data science	2-2	406976169351
32	indupriya72216@gmail.com	Indu PriyaP atcha	21KP1A4476	Appa raoPat cha	Renuka Patcha	DS	0.75	18	Data Scienc e	2-2	573041880949

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

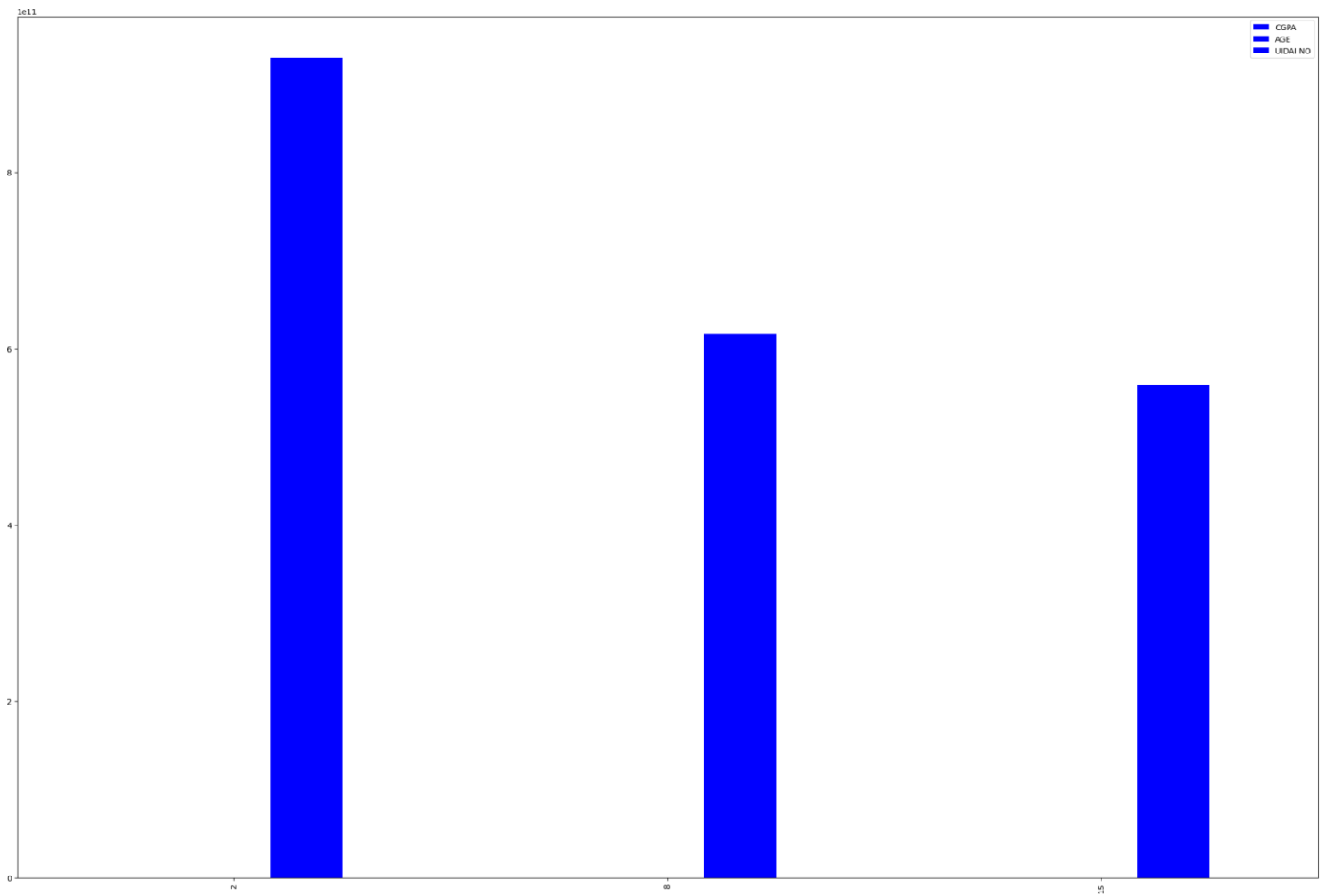
	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRANCH	SEMESTER	UIDAINO
28	hemasanjushasanikommu828@gmail.com	hema sanjusha	21KP1A4491	musalareddy	sivaparvathi	CSE	73.00	18	cse	2-2	422314863763
30	rahamtunnisashaik09@gmail.com	Shaik Rahamtu nnisa	21KP1A44A0	Shaik.mahab oobjani	Shaik.m unni	DS	8.00	18	Data science	2-2	406976169351
32	indupriya72216@gmail.com	Indu PriyaP atcha	21KP1A4476	Appa raoPat cha	Renuka Patcha	DS	0.75	18	Data Scienc e	2-2	573041880949

Displaying plot bar by AGE, CGPA, UIDAINO



Displaying the plot bars

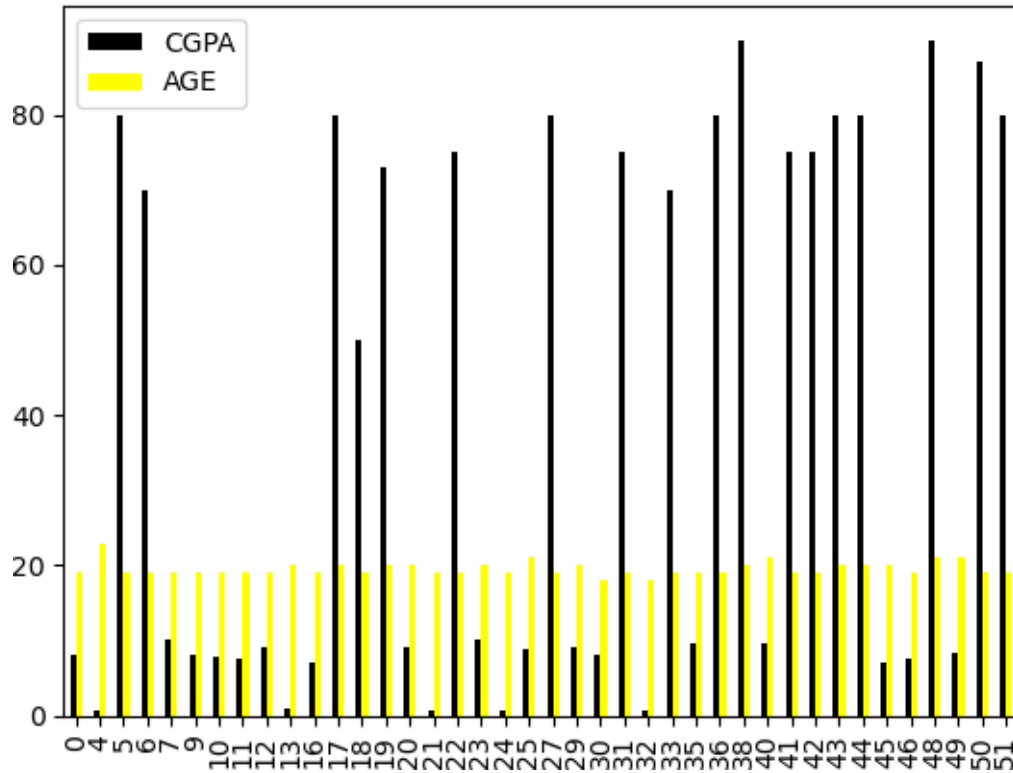
```
df2.plot.bar(color=['blue'],figsize=(30,20))
```



Displaying the CGPA and age of students

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

<Axes :>



df5

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COU RSE	CG PA	A G E	BRA NCH	SEMIS TER	UIDAI NO
0	vennachandana1@gmail.com	Venna Chandana	21KP1A44C5	Venna Ramanareddy	Venna Lakshmidevi	DS	8.00	19	Data science	2-2	636336922883
1	adilakshmi4765@gmail.com	N.Venkatesh	21KP1A4468	N.Manikya Rao	N.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. GURUBR AHMAC HARI	POLEPALLI. SRIDEVI	DS	10.00	19	Data Scienc e	2-2	721819168061
8	syedtasleem07@gmail.com	Syed Tasleem Afroze	21KP1A44A9	Syed Rahiman	SyedNaseema	MEC H	8.00	19	DS	2-2	617020354793

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

	Gmail	STUDENT NAME	ROLL NUMBER	FATHER NAME	MOTHER NAME	COURSE	CGPA	AGE	BRA NCH	SEMIS TER	UIDAI NO
36	nikitharayapati9@gmail.com	Nikhitha Rayapati	21KP1A4487	Rayapati hanumathrao	Rayapati malleswari	DS	80.00	19	Ds	2-2	963360828294
37	indhupotla123@gmail.com	indhupriya	21KP1A4483	Lakshmana rayana	Sujatha	CSE	72.00	19	cse	2-2	524345891620
39	jaffershaik718@gmail.com	Jaffershaik	21KP1A4495	shaik.LaiLaha	shaik.Ramjanbee	CSE	70.00	19	cse	2nd	912229276699
41	reshmayalamanchi@gmail.com	Reshma yalamanchi	21KP1A44C9	Yalamanch isubba Rao	Yalamanchi sunitha	DS	75.00	19	DS	4	742366316353
42	thriveedhinagajyothi@gmail.com	T. Nagajyothi	21KP1A44B7	T. Venkayya	T. Ramanjamma	DS	75.00	19	DS	4	330477145525
46	nrajasambasivarao@gmail.com	Narra RajaSamba Siva Rao	21KP1A4471	Narra SrinivasaRao	Narra Ramadevi	DS	7.50	19	CSD (Data science)	4	835457902826
47	saisairam068@gmail.com	Sairam	21kp1a44b4	Venkata subbiah	Ravanamma	CSE	10.00	19	Da	2-2	746109575146
50	arundathi0508@gmail.com	PANDA UMAARU NDATHI	21KP1A4474	PANDA NARAYA NARAO	PANDA PRASANNA LAKSHMI	DS	87.00	19	CSD	2-2	652650486629
51	chinnivignesh144@gmail.com	chinni vigneshteja yadav	21KP1A44C6	Chinni Pratap Kumar	Chinni Bhargavi	DS	80.00	19	Data Science	4th semester	639534870436

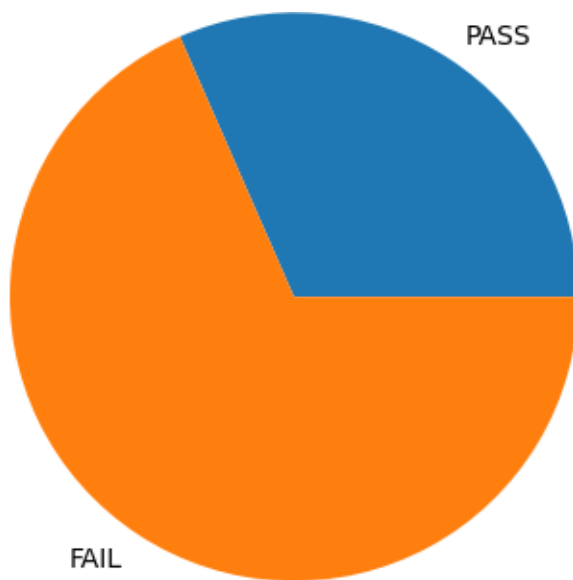
y=df5.CGPA.value_counts()

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()df1
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 STUDENT DATABASE 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.