SEATWORK 6.1
EXPLORATORY DATA ANALYSIS ON YOUR OWN DATASET

DATASET

```
[2] import pandas as pd
    import numpy as np
    filepath = '/content/Student Mental health.csv'
    mentalHealth_df=pd.read_csv(filepath)
    mentalHealth_df
```

	Timestamp	Choose your gender	Age	What is your course?	Your current year of Study	What is your CGPA?	Marital status	Do you have Depression?	Do you have Anxiety?	Do you have Panic attack?	Did you seek any specialist for a treatment?
0	8/7/2020 12:02	Female	18.0	Engineering	year 1	3.00 - 3.49	No	Yes	No	Yes	No
1	8/7/2020 12:04	Male	21.0	Islamic education	year 2	3.00 - 3.49	No	No	Yes	No	No
2	8/7/2020 12:05	Male	19.0	BIT	Year 1	3.00 - 3.49	No	Yes	Yes	Yes	No
3	8/7/2020 12:06	Female	22.0	Laws	year 3	3.00 - 3.49	Yes	Yes	No	No	No
4	8/7/2020 12:13	Male	23.0	Mathemathics	year 4	3.00 - 3.49	No	No	No	No	No
...	...	...	...	...	...	...	...	...	...	...	...
96	13/07/2020 19:56:49	Female	21.0	BCS	year 1	3.50 - 4.00	No	No	Yes	No	No
97	13/07/2020 21:21:42	Male	18.0	Engineering	Year 2	3.00 - 3.49	No	Yes	Yes	No	No
98	13/07/2020 21:22:56	Female	19.0	Nursing	Year 3	3.50 - 4.00	Yes	Yes	No	Yes	No
99	13/07/2020 21:23:57	Female	23.0	Pendidikan Islam	year 4	3.50 - 4.00	No	No	No	No	No
100	18/07/2020 20:16:21	Male	20.0	Biomedical science	Year 2	3.00 - 3.49	No	No	No	No	No

101 rows × 11 columns

DEPRESSION

```
Ydepression = mentalHealth_df[mentalHealth_df['Do you have Depression?'] == 'Yes']
Ydepression.shape[0]
```

```
35
```

```
[50] percentage_depression = (Ydepression.shape[0] / t_records) *100
     print("Percentage of student that have depression:",round(percentage_depression, 2),"%")
```

```
Percentage of student that have depression: 34.65 %
```

```
[51] Ndepression = mentalHealth_df[mentalHealth_df['Do you have Depression?'] == 'No']
     Ndepression.shape[0]
```

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66
```

```
[52] Npercentage_depression = (Ndepression.shape[0] / t_records) * 100
     print("Percentage of student that don't have depression:",round(Ndepression.shape[0], 2),"%")
```

```
Percentage of student that don't have depression: 66 %
```

ANXIETY

```
[53] Yanxiety = mentalHealth_df[mentalHealth_df['Do you have Anxiety?'] == 'Yes']
     Yanxiety.shape[0]
```

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34
```

```
[54] percentage_anxiety = (Yanxiety.shape[0] / t_records) *100
     print("Percentage of student that have axiety:",round(percentage_anxiety, 2),"%")
```

```
Percentage of student that have axiety: 33.66 %
```

```
[55] Nanxiety = mentalHealth_df[mentalHealth_df['Do you have Anxiety?'] == 'No']
     Nanxiety.shape[0]
```

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67
```

```
[56] Npercentage_anxiety = (Nanxiety.shape[0] / t_records) *100
     print("Percentage of student that have don't axiety:",round(Npercentage_anxiety, 2),"%")
```

```
Percentage of student that have don't axiety: 66.34 %
```

PANIC ATTACK

```
[57] Ypanic = mentalHealth_df[mentalHealth_df['Do you have Panic attack?'] == 'Yes']
     Ypanic.shape[0]
```

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33
```

```
[58] percentage_panic = (Ypanic.shape[0] / t_records) *100
     print("Percentage of student that have have panic attack:",round(percentage_panic, 2),"%")
```

```
Percentage of student that have have panic attack: 32.67 %
```

```
[59] Npanic = mentalHealth_df[mentalHealth_df['Do you have Panic attack?'] == 'No']
     Npanic.shape[0]
```

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68
```

```
[60] Npercentage_panic = (Npanic.shape[0] / t_records) *100
     print("Percentage of student that have have don't panic attack:",round(Npercentage_panic, 2),"%")
```

```
Percentage of student that have have don't panic attack: 67.33 %
```

STUDENT THAT SEEK SPECIALIST FOR A TREATMENT

```
[61] Ytreatment = mentalHealth_df[mentalHealth_df['Did you seek any specialist for a treatment?'] == 'Yes']
     Ytreatment.shape[0]
```

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6
```

```
percentage_treatment = (Ytreatment.shape[0] / t_records) * 100
print("Percentage of student that seek specialist for a treatment:",round(percentage_treatment, 2),"%")
```

```
Percentage of student that seek specialist for a treatment: 5.94 %
```

```
[63] Ntreatment = mentalHealth_df[mentalHealth_df['Did you seek any specialist for a treatment?'] == 'No']
     Ntreatment.shape[0]
```

```
95
```

```
[64] Npercentage_treatment = (Ntreatment.shape[0] / t_records) * 100
     print("Percentage of student that seek specialist for a treatment:",round(Npercentage_treatment, 2),"%")
```

```
Percentage of student that seek specialist for a treatment: 94.06 %
```