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```
# import the libraries
import pandas as pd
import numpy as np
import sklearn as sk
```

```
[ ] # reading the dataset
data = pd.read_csv("/content/d
[ ] data.head()
```

	User ID	Gender	Age	Estim
0	15624510	Male	19	
2	15668575	Female	26	
3	15603246	Female	27	
4	15804002	Male	19	

```
[ ] data.shape

(400, 5)
```

```
[ ] #Data processing
# remove unwanted columns
data = data.drop(columns = ['U
[ ] data.head()
```

	Gender	Age	EstimatedSalary
0	Male	19	1900
1	Male	35	2000
2	Female	26	4300
3	Female	27	5700
4	Male	19	7600

```
[ ] #checking for the missing

data.isnull().sum()

Gender      0
Age         0
EstimatedSalary  0
Purchased   0
dtype: int64
```

```
[ ] import seaborn as sns
```

```
[ ] sns.heatmap(data.isnull())
```

```
<matplotlib.axes._subplots.Axe
<matplotlib.axes._subplots.Axe
Gender    Age    EstimatedSalary
0         19    1900
1         35    2000
2         26    4300
3         27    5700
4         19    7600
```

```
[ ] sns.boxplot(data['Age'])
```

```
/usr/local/lib/python3.7/dist-
FutureWarning
<matplotlib.axes._subplots.Axe
Age
20  30  40
```

```
[ ] sns.boxplot(data['EstimatedSal
FutureWarning
<matplotlib.axes._subplots.Axe
Age
20  30  40
```

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Very satisfied

```
[ ] sns.displot(data['Age'],kind="
sns.set
sns.axisgrid.FacetGrid at
Neither satisfied nor dissatisfied.Somewhat dissatisfied
Very dissatisfied
Next
```

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