```
# 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	EstimatedSalar
0	Male	19	1900
1	Male	35	2000
2	Female	26	4300
3	Female	27	5700
4	Male	19	7600

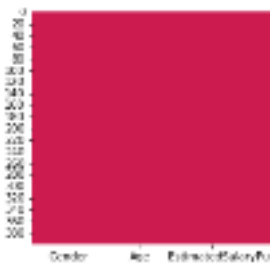
```
#checking for the missing

data.isnull().sum()
```

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

```
import seaborn as sns
```

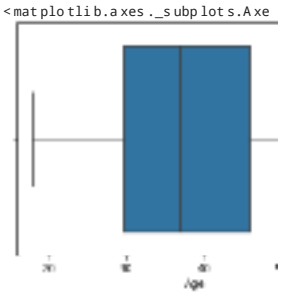
```
sns.heatmap(data.isnull())
```

```
<matplotlib.axes._subplots.Axe
```



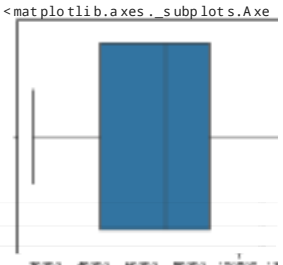
```
sns.boxplot(data['Age'])
```

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



```
sns.boxplot(data['EstimatedSal
```

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



Overall, how satisfied are you with Colaboratory?

Very satisfied

```
sns.displot(data['Age'],kind="
```

Somewhat satisfied

```
<seaborn.axisgrid.FacetGrid at
```

Neither satisfied nor dissatisfied Somewhat dissatisfied

Very dissatisfied