01-import libraries and loading the data

In [4]:
```python
import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt
# load dataset
chilla_data=pd.read_csv("Chilla_data2_for_plots.csv")
chilla_data
```

Out[4]:

|	Gender	Location	Age	Qualification_completed	field_of_study	Purpose_for_chilla	What are you?	Blo grc
0	Male	Pakistan	36-40	Masters	Natural Sciences	to boost my skill set	Unemplyed	
1	Male	Pakistan	26-30	Bachelors	CS/IT	to boost my skill set	Student	
2	Male	Pakistan	31-35	Masters	Enginnering	Switch my field of study	Employed	
3	Female	Pakistan	31-35	Masters	CS/IT	to boost my skill set	Employed	
4	Female	Pakistan	26-30	Masters	Enginnering	to boost my skill set	Student	
...	...	...	...	...	...	...	...	
370	Male	Pakistan	26-30	Masters	Enginnering	to boost my skill set	Employed	
371	Male	Pakistan	31-35	Bachelors	Enginnering	to boost my skill set	Employed	
372	Male	Pakistan	21-25	Bachelors	CS/IT	to boost my skill set	Employed	
373	Male	Pakistan	26-30	Masters	Enginnering	to boost my skill set	Employed	
374	Female	Pakistan	31-35	Masters	Mathematics	Switch my field of study	Unemplyed	

375 rows × 23 columns

02- plotting bar graph
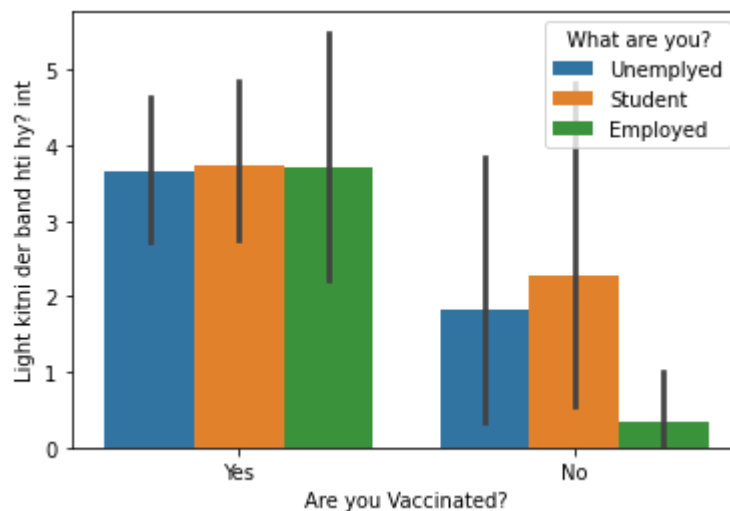
In [14]:
```python
import seaborn as sns
```

```python
import pandas as pd
import matplotlib.pyplot as plt
# load dataset
chilla_data=pd.read_csv("Chilla_data2_for_plots.csv")
sns.barplot(x="Age", y="How many hours you code a day? (int) e.g: 5,4,3", hue="Gender",
plt.show()
```
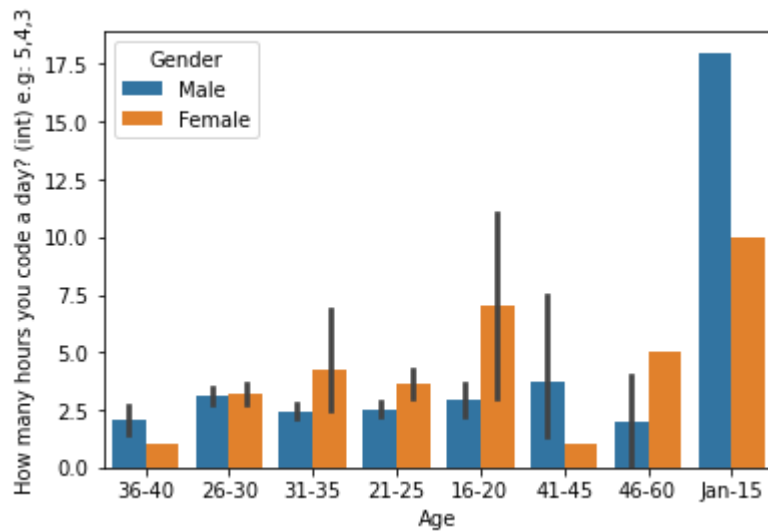

03- with other data

```python
import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt
# load dataset
chilla_data=pd.read_csv("Chilla_data2_for_plots.csv")
sns.barplot(x="Are you Vaccinated?",y="Light kitni der band hti hy? int", hue="What are
plt.show()
```


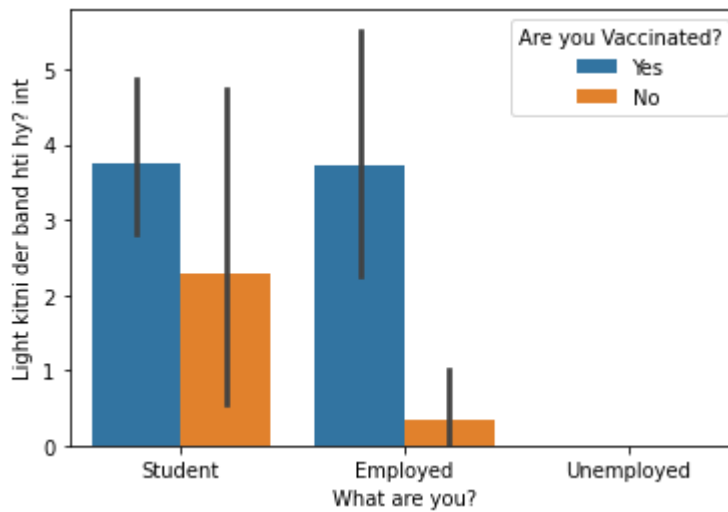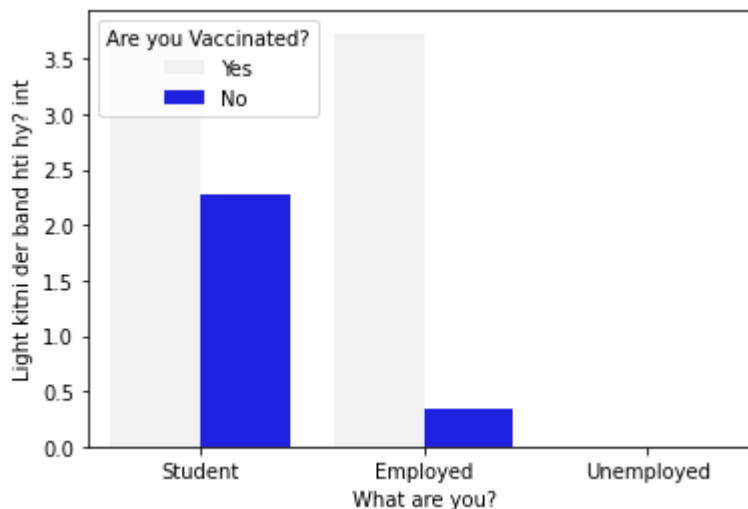## 04- changing order

```python
import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt
```

```python
# Load dataset
chilla_data=pd.read_csv("Chilla_data2_for_plots.csv")
sns.barplot(x="What are you?",y="Light kitni der band hti hy? int", hue="Are you Vaccin
            order=["Student", "Employed", "Unemployed"] )
plt.show()
```
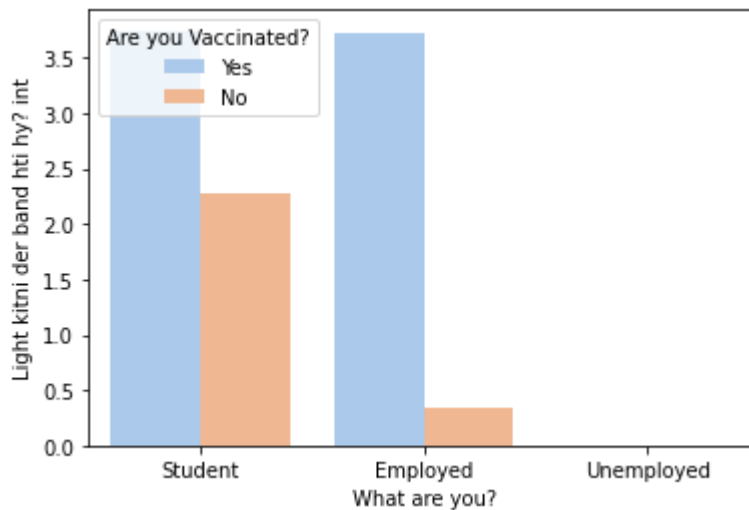

05- Removing error bars and adding color

In [31]:
```python
import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt
# Load dataset
chilla_data=pd.read_csv("Chilla_data2_for_plots.csv")
sns.barplot(x="What are you?",y="Light kitni der band hti hy? int", hue="Are you Vaccin
            order=["Student", "Employed", "Unemployed"], ci=None, color="blue" )
plt.show()
```


06- using different palette

In [34]:
```python
import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt
# Load dataset
```
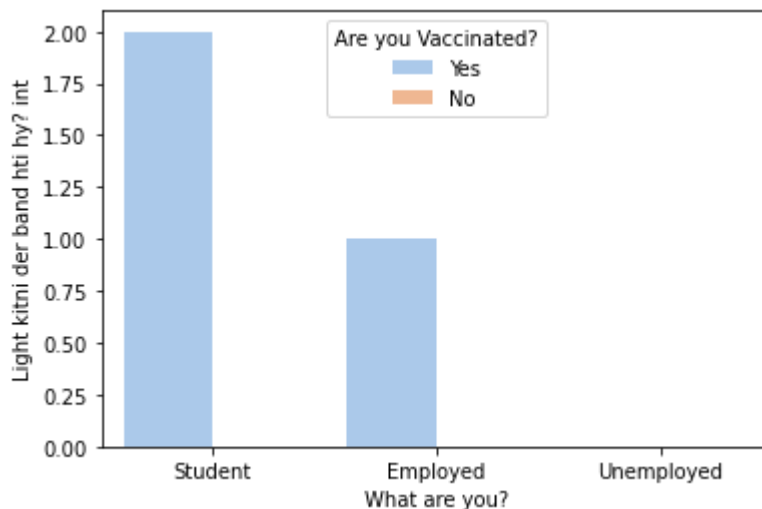
```python
chilla_data=pd.read_csv("Chilla_data2_for_plots.csv")
sns.barplot(x="What are you?",y="Light kitni der band hti hy? int", hue="Are you Vaccin
            order=["Student", "Employed", "Unemployed"], ci=None, palette="pastel" )
plt.show()
```


07- Adding an estimator

In [36]:
```python
import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt
from numpy import median
# load dataset
chilla_data=pd.read_csv("Chilla_data2_for_plots.csv")
sns.barplot(x="What are you?",y="Light kitni der band hti hy? int", hue="Are you Vaccin
            order=["Student", "Employed", "Unemployed"], ci=None, palette="pastel", est
plt.show()
```
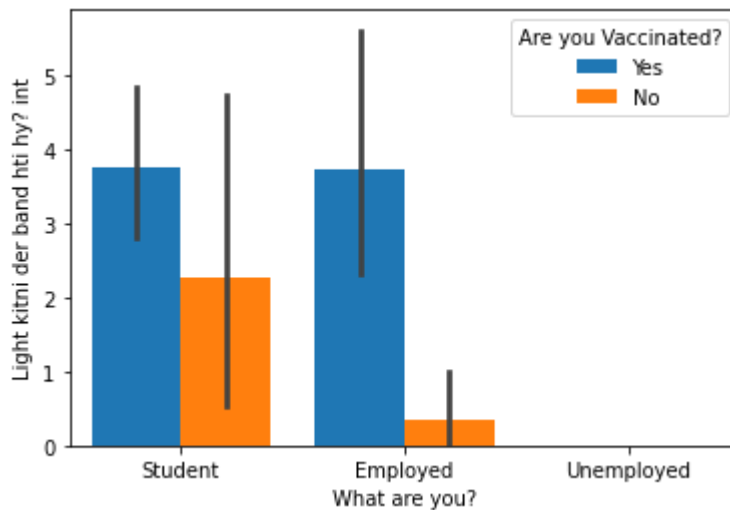

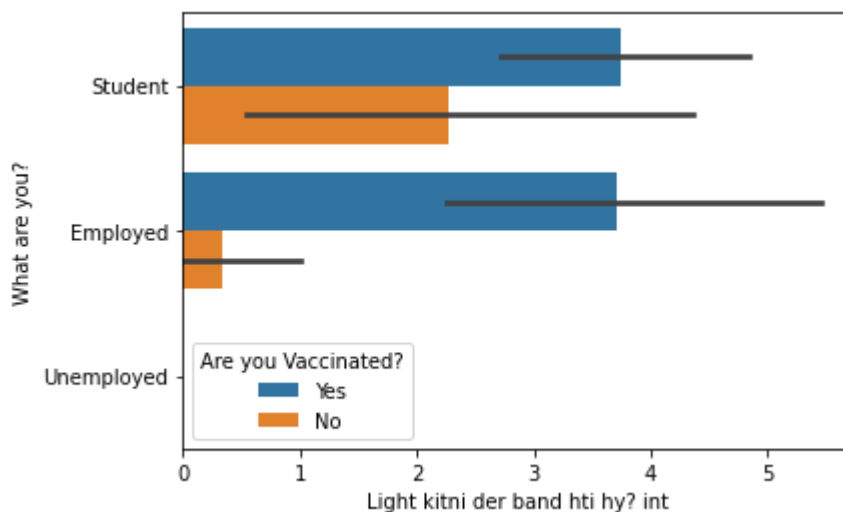## 08- Managing saturation\intensity of color

In [37]:
```python
import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt
# load dataset
```

```python
chilla_data=pd.read_csv("Chilla_data2_for_plots.csv")
sns.barplot(x="What are you?",y="Light kitni der band hti hy? int", hue="Are you Vaccin
            order=["Student", "Employed", "Unemployed"], saturation=1 )
plt.show()
```


09- Making horizontal plot

In [38]:
```python
import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt
# load dataset
chilla_data=pd.read_csv("Chilla_data2_for_plots.csv")
sns.barplot(x="Light kitni der band hti hy? int",y="What are you?", hue="Are you Vaccin
            order=["Student", "Employed", "Unemployed"] )
plt.show()
```


10- Managing the color of edge

In [39]:
```python
import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt
# load dataset
chilla_data=pd.read_csv("Chilla_data2_for_plots.csv")
```

```
sns.barplot(x="What are you?",y="Light kitni der band hti hy? int", hue="Are you Vaccin
        order=["Student", "Employed", "Unemployed"], linewidth=3, facecolor=(1, 1,
        errcolor=".5", edgecolor="0" )
plt.show()
```