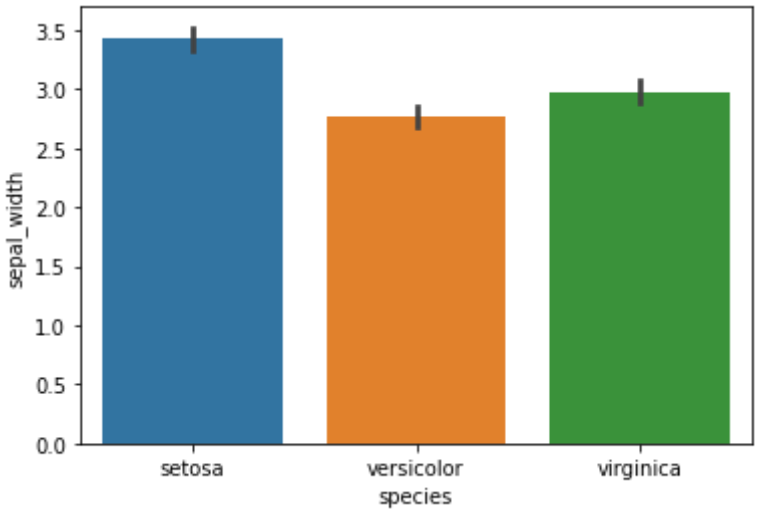
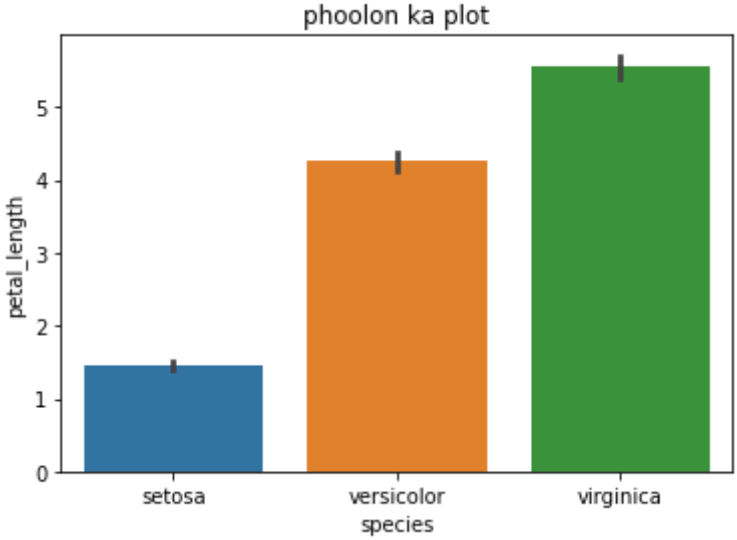
In [1]:
```
#import libraries
import seaborn as sns
import matplotlib.pyplot as plt

# load dataset
phool = sns.load_dataset("iris")
phool
#draw a line plot
sns.barplot(x="species", y="sepal_width", data=phool)
plt.show()
```



In [ ]:
```
phool
```

In [2]:
```
import seaborn as sns
import matplotlib.pyplot as plt

# load dataset
phool = sns.load_dataset("iris")
phool
#draw a line plot
sns.barplot(x="species", y="petal_length", data=phool)
plt.title("phoolon ka plot")
plt.show()
```



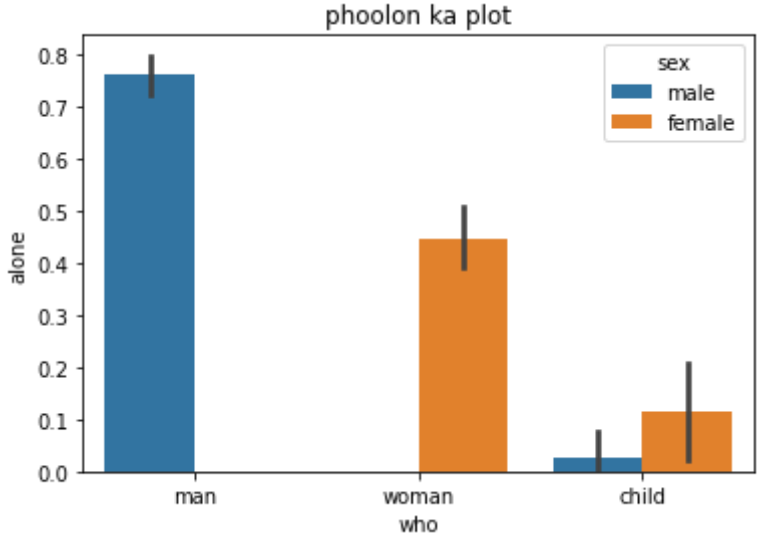
In [3]:
```
import seaborn as sns
import matplotlib.pyplot as plt

# Load dataset
kashti = sns.load_dataset("titanic")
kashti
```

Out[3]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True
...	...	...	...	...	...	...	...	...	...	...	...
886	0	2	male	27.0	0	0	13.0000	S	Second	man	True
887	1	1	female	19.0	0	0	30.0000	S	First	woman	False
888	0	3	female	NaN	1	2	23.4500	S	Third	woman	False
889	1	1	male	26.0	0	0	30.0000	C	First	man	True
890	0	3	male	32.0	0	0	7.7500	Q	Third	man	True

891 rows × 15 columns

In [4]:
```
import seaborn as sns
import matplotlib.pyplot as plt

# Load dataset
kashti = sns.load_dataset("titanic")
kashti
#draw a line plot
sns.barplot(x="who", y="alone",hue="sex", data=kashti)
plt.title("phoolon ka plot")
plt.show()
```



In [5]:

```
import seaborn as sns
import matplotlib.pyplot as plt

# load dataset
kashti = sns.load_dataset("titanic")
kashti
#draw a line plot
sns.barplot(x="sex", y="alone",hue="who", data=kashti, order=["female", "male"])
plt.title("phoolon ka plot")
plt.show()
```

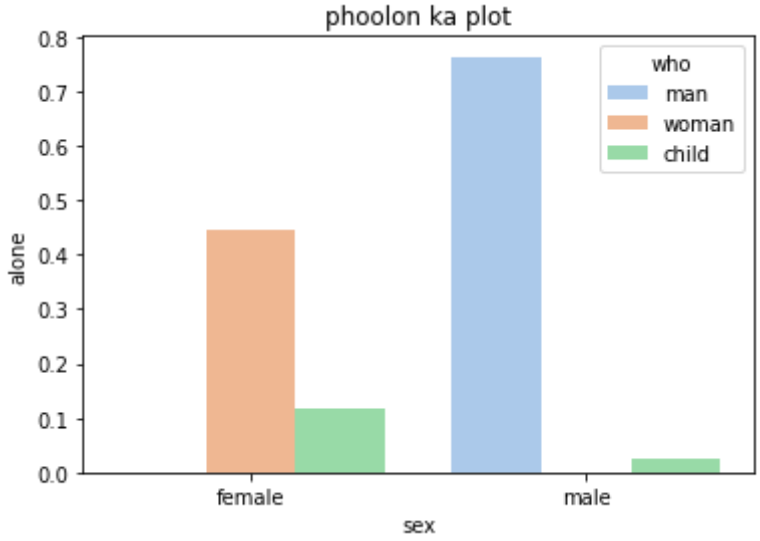
In [6]:

```
import seaborn as sns
import matplotlib.pyplot as plt

# load dataset
kashti = sns.load_dataset("titanic")
kashti
#draw a line plot
sns.barplot(x="sex", y="alone",hue="who", data=kashti, order=["female", "male"],colo
plt.title("phoolon ka plot")
plt.show()
```

In [7]:

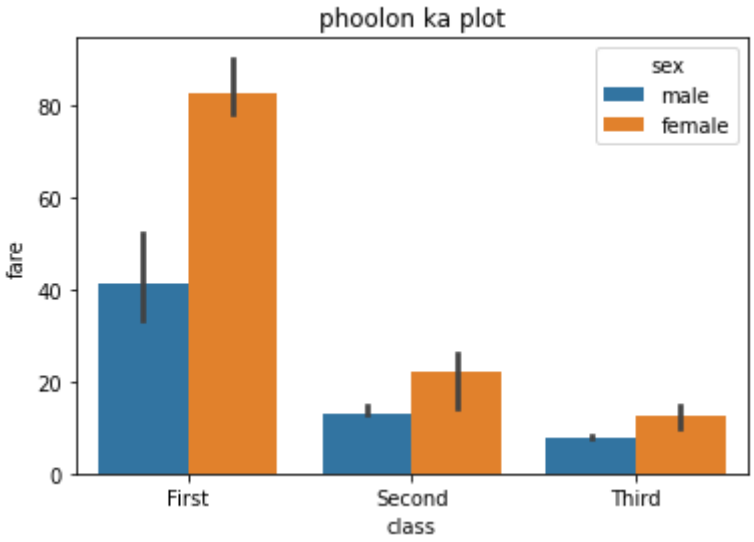
```
#seaborn color palettes and website for coloring
import seaborn as sns
import matplotlib.pyplot as plt
```

```
# load dataset
kashti = sns.load_dataset("titanic")
kashti
#draw a line plot
sns.barplot(x="sex", y="alone",hue="who", data=kashti, order=["female", "male"],colo
            palette='pastel')
plt.title("phoolon ka plot")
plt.show()
```



In [22]:

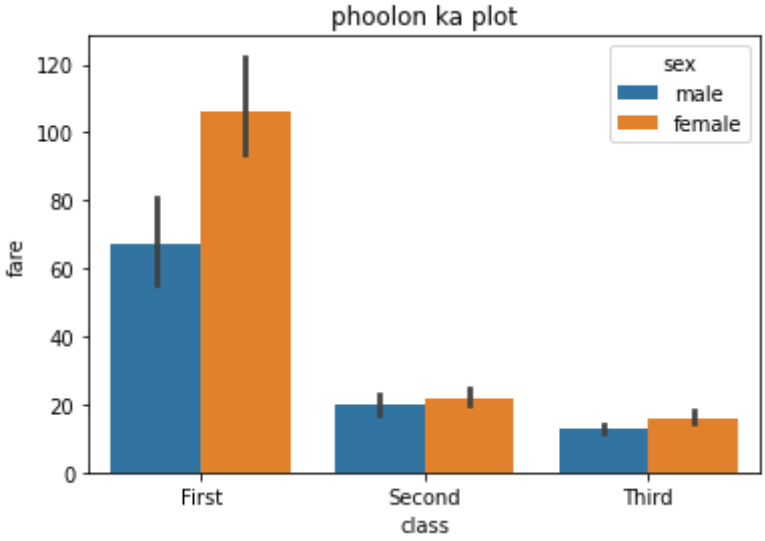
```
# from medain
import seaborn as sns
import numpy
import matplotlib.pyplot as plt

# load dataset
kashti = sns.load_dataset("titanic")
kashti
#draw a line plot
sns.barplot(x="class", y="fare",hue="sex", data=kashti, estimator=median)
plt.title("phoolon ka plot")
plt.show()
```



In [26]:

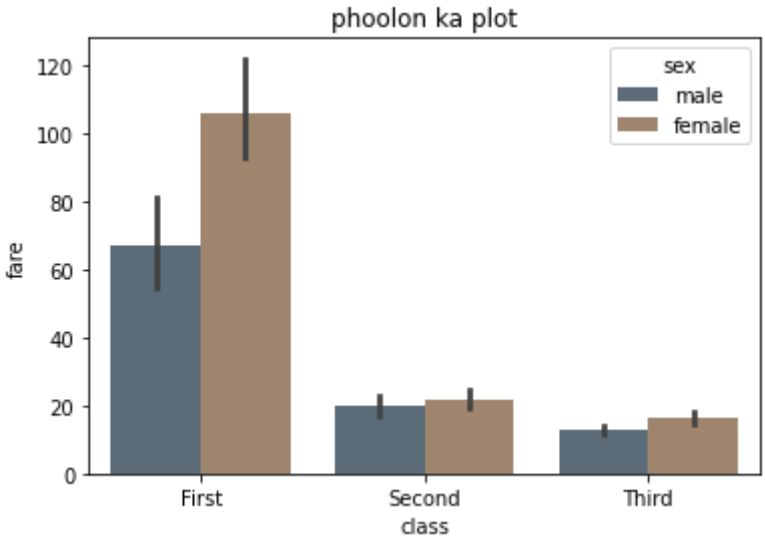
```
# from mean
import seaborn as sns
import numpy
import matplotlib.pyplot as plt
```

```
# Load dataset
kashti = sns.load_dataset("titanic")
kashti
#draw a line plot
sns.barplot(x="class", y="fare",hue="sex", data=kashti, estimator=mean)
plt.title("phoolon ka plot")
plt.show()
```



In [27]:

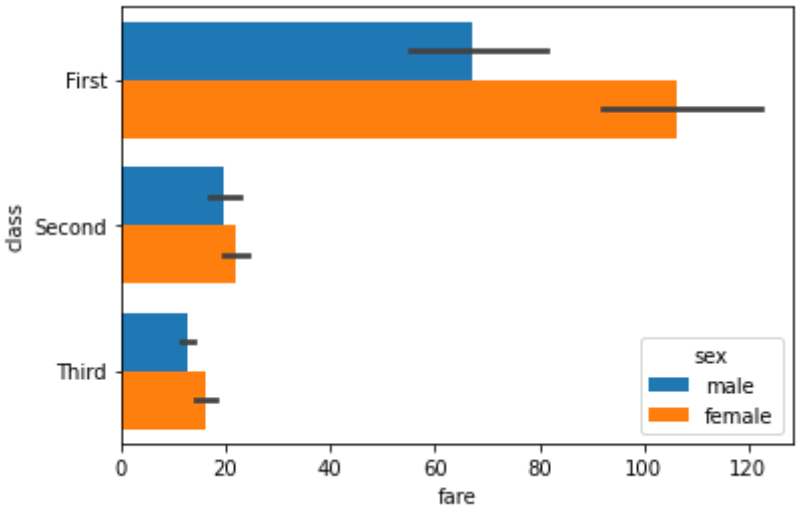
```
# saturation
import seaborn as sns
import numpy
import matplotlib.pyplot as plt

# Load dataset
kashti = sns.load_dataset("titanic")
kashti
#draw a line plot
sns.barplot(x="class", y="fare",hue="sex", data=kashti, estimator=mean, saturation=0
plt.title("phoolon ka plot")
plt.show()
```



In [33]:

```
#horizanta plot
#import libraries
import seaborn as sns
import numpy
```

```
import matplotlib.pyplot as plt

# load dataset
kashti = sns.load_dataset("titanic")
kashti
#draw a line plot
sns.barplot(x="fare", y="class", hue="sex", data=kashti, estimator=mean, saturation=
plt.show()
```

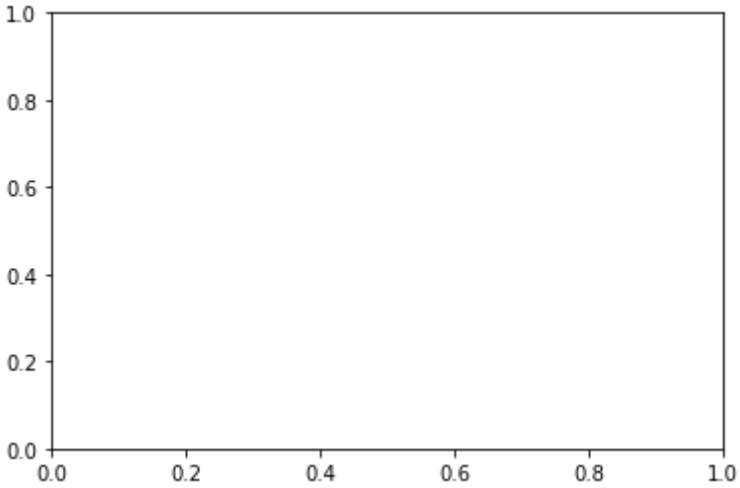


In [35]:

```
#coloring
#es ma linewidth line ka leya used hota hai
#errcolor es black line ka leya used hora hai zo plot ka upper ma hai small see
#edgcolor full plot a box line ka color hota hai
# importting the required library
import seaborn as sns
import matplotlib.pyplot as plt

#read a titanic.CSV file
#from seaborn libraray
kashti = sns.load_dataset('titanic')
sns.barplot(x="class", y="fare", data=kashti,
                linewidth=5, facecolor=(1, 1, 1, 0),
                errcolor=".2", edgcolor=".2")
```

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_13216/4111451531.py in <module>
     10 #from seaborn libraray
     11 kashti = sns.load_dataset('titanic')
---> 12 sns.barplot(x="fare", y="class", data=kashti,
     13                 linewidth=5, facecolor=(1, 1, 1, 0),
     14                 errcolor=".2", edgcolor=".2")

~\anaconda3\lib\site-packages\seaborn\_decorators.py in inner_f(*args, **kwargs)
     44             )
     45         kwargs.update({k: arg for k, arg in zip(sig.parameters, args)})
---> 46         return f(**kwargs)
     47     return inner_f
     48

~\anaconda3\lib\site-packages\seaborn\categorical.py in barplot(x, y, hue, data, ord
er, hue_order, estimator, ci, n_boot, units, seed, orient, color, palette, saturatio
n, errcolor, errwidth, capsize, dodge, ax, **kwargs)
   3188         ax = plt.gca()
```

```
   3189
-> 3190     plotter.plot(ax, kwargs)
   3191     return ax
   3192

~\anaconda3\lib\site-packages\seaborn\categorical.py in plot(self, ax, bar_kws)
   1637     def plot(self, ax, bar_kws):
   1638         """Make the plot."""
-> 1639         self.draw_bars(ax, bar_kws)
   1640         self.annotate_axes(ax)
   1641         if self.orient == "h":

~\anaconda3\lib\site-packages\seaborn\categorical.py in draw_bars(self, ax, kws)
   1602
   1603             # Draw the bars
-> 1604             barfunc(barpos, self.statistic, self.width,
   1605                     color=self.colors, align="center", **kws)
   1606

~\anaconda3\lib\site-packages\matplotlib\axes\_axes.py in barh(self, y, width, heigh
t, left, align, **kwargs)
   2511         """
   2512         kwargs.setdefault('orientation', 'horizontal')
-> 2513         patches = self.bar(x=left, height=height, width=width, bottom=y,
   2514                            align=align, **kwargs)
   2515         return patches

~\anaconda3\lib\site-packages\matplotlib\__init__.py in inner(ax, data, *args, **kwa
rgs)
   1359     def inner(ax, *args, data=None, **kwargs):
   1360         if data is None:
-> 1361             return func(ax, *map(sanitize_sequence, args), **kwargs)
   1362
   1363         bound = new_sig.bind(ax, *args, **kwargs)

~\anaconda3\lib\site-packages\matplotlib\axes\_axes.py in bar(self, x, height, widt
h, bottom, align, **kwargs)
   2363                 hatch=htch,
   2364                 )
-> 2365             r.update(kwargs)
   2366             r.get_path()._interpolation_steps = 100
   2367             if orientation == 'vertical':

~\anaconda3\lib\site-packages\matplotlib\artist.py in update(self, props)
   1060                     func = getattr(self, f"set_{k}", None)
   1061                     if not callable(func):
-> 1062                         raise AttributeError(f"{type(self).__name__!r} objec
t "
   1063                                              f"has no property {k!r}")
   1064                     ret.append(func(v))

AttributeError: 'Rectangle' object has no property 'edgcolor'
```



In [ ]: