In [1]:
```
import pandas as pd
```

In [3]:
```
import numpy as np
import matplotlib.pyplot as pt
import seaborn as sns
```

In [4]:
```
visadf=pd.read_csv('C:/Users/Anuja_PC/OneDrive/Documents/dataFiles/Visadataset -
visadf
```

Out[4]:

	case_id	continent	education_of_employee	has_job_experience	requires_job_t
0	EZYV01	Asia	High School	N	
1	EZYV02	Asia	Master's	Y	
2	EZYV03	Asia	Bachelor's	N	
3	EZYV04	Asia	Bachelor's	N	
4	EZYV05	Africa	Master's	Y	
...	...	...	...	...	
25475	EZYV25476	Asia	Bachelor's	Y	
25476	EZYV25477	Asia	High School	Y	
25477	EZYV25478	Asia	Master's	Y	
25478	EZYV25479	Asia	Master's	Y	
25479	EZYV25480	Asia	Bachelor's	Y	

25480 rows × 12 columns

In [5]:
```
visadf['education_of_employee']
```

Out[5]:
```
0         High School
1            Master's
2           Bachelor's
3           Bachelor's
4            Master's
               ...
25475       Bachelor's
25476      High School
25477        Master's
25478        Master's
25479       Bachelor's
Name: education_of_employee, Length: 25480, dtype: object
```

In [9]:
```
employeDf = visadf['education_of_employee'].value_counts()
employeDf
```

Out[9]:
```
education_of_employee
Bachelor's     10234
Master's        9634
High School     3420
Doctorate       2192
Name: count, dtype: int64
```

In [11]:
```
empKeys=employeDf.keys()
empKeys
```

Out[11]:
```
Index(['Bachelor's', 'Master's', 'High School', 'Doctorate'], dtype='object', n
ame='education_of_employee')
```

In [12]:
```
empValues=employeDf.values
empValues
```

Out[12]:
```
array([10234,  9634,  3420,  2192], dtype=int64)
```

In [16]:
```
employeeDf=pd.DataFrame(zip(empKeys,empValues),columns=['education_of_employee',
employeeDf
```

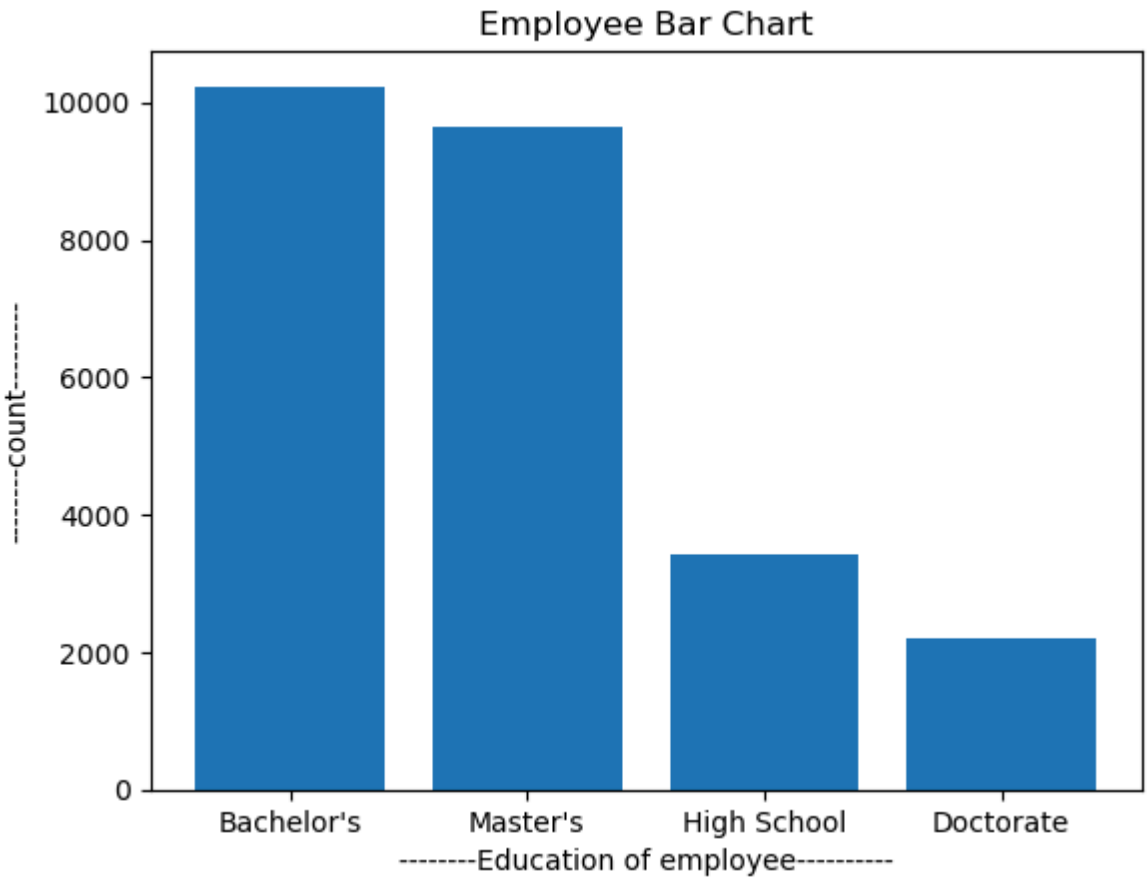
Out[16]:

	education_of_employee	count
0	Bachelor's	10234
1	Master's	9634
2	High School	3420
3	Doctorate	2192

BarChart

In [28]:
```
#pt.figure(figsize=[10,5],facecolor='#EDB120')
pt.bar("education_of_employee","count",data=employeeDf)
pt.title("Employee Bar Chart")
pt.xlabel("--------Education of employee----------")
pt.ylabel("--------count---------")
pt.savefig("barchartemp.png")

pt.show()
```



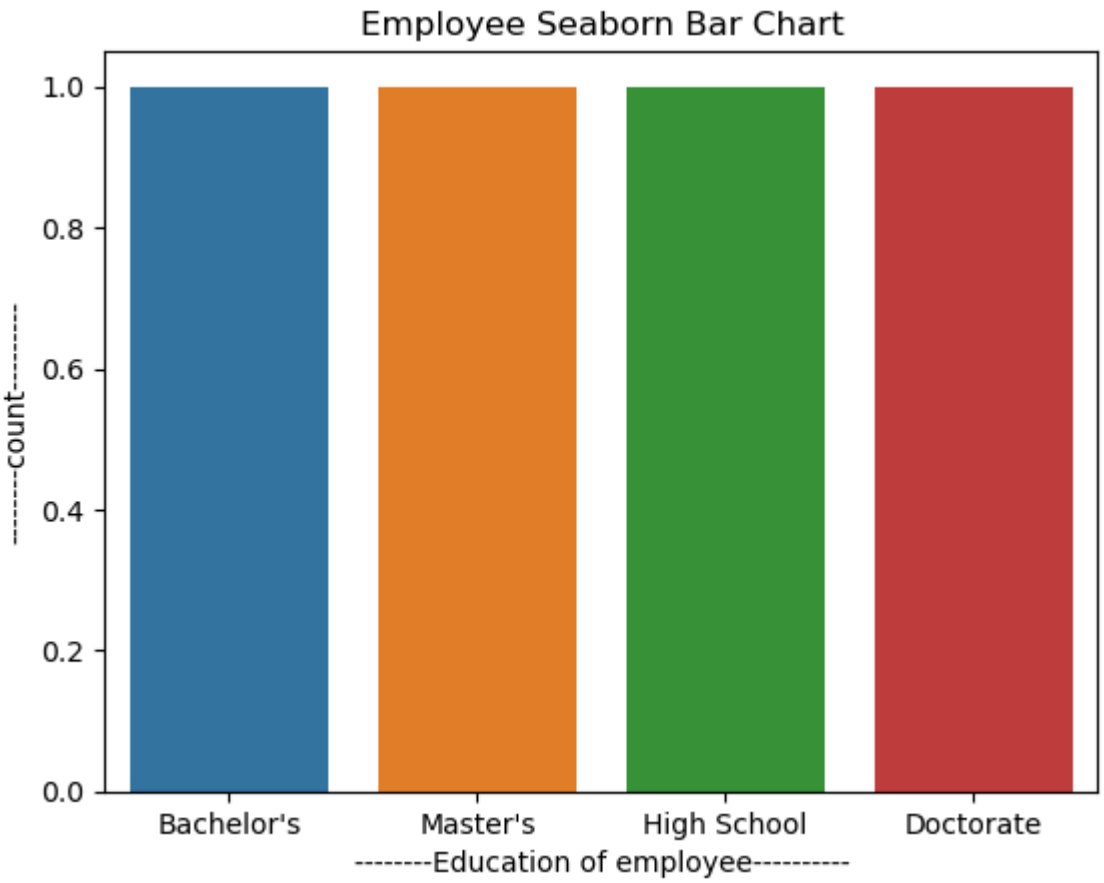
SeabornBarChart

In [42]:
```
empKeys=employeDf.keys()
empKeys
```

Out[42]:
```
Index(['Bachelor's', 'Master's', 'High School', 'Doctorate'], dtype='object', n
ame='education_of_employee')
```

In [27]:
```
empKeys=employeDf.keys()
#pt.figure(figsize=[10,5],facecolor='#EDB120')
sns.countplot(data=employeeDf,x="education_of_employee", order=empKeys)
pt.title("Employee Seaborn Bar Chart")
pt.xlabel("--------Education of employee----------")
pt.ylabel("--------count---------")
pt.savefig("snsbarchartemp.png")

pt.show()
```

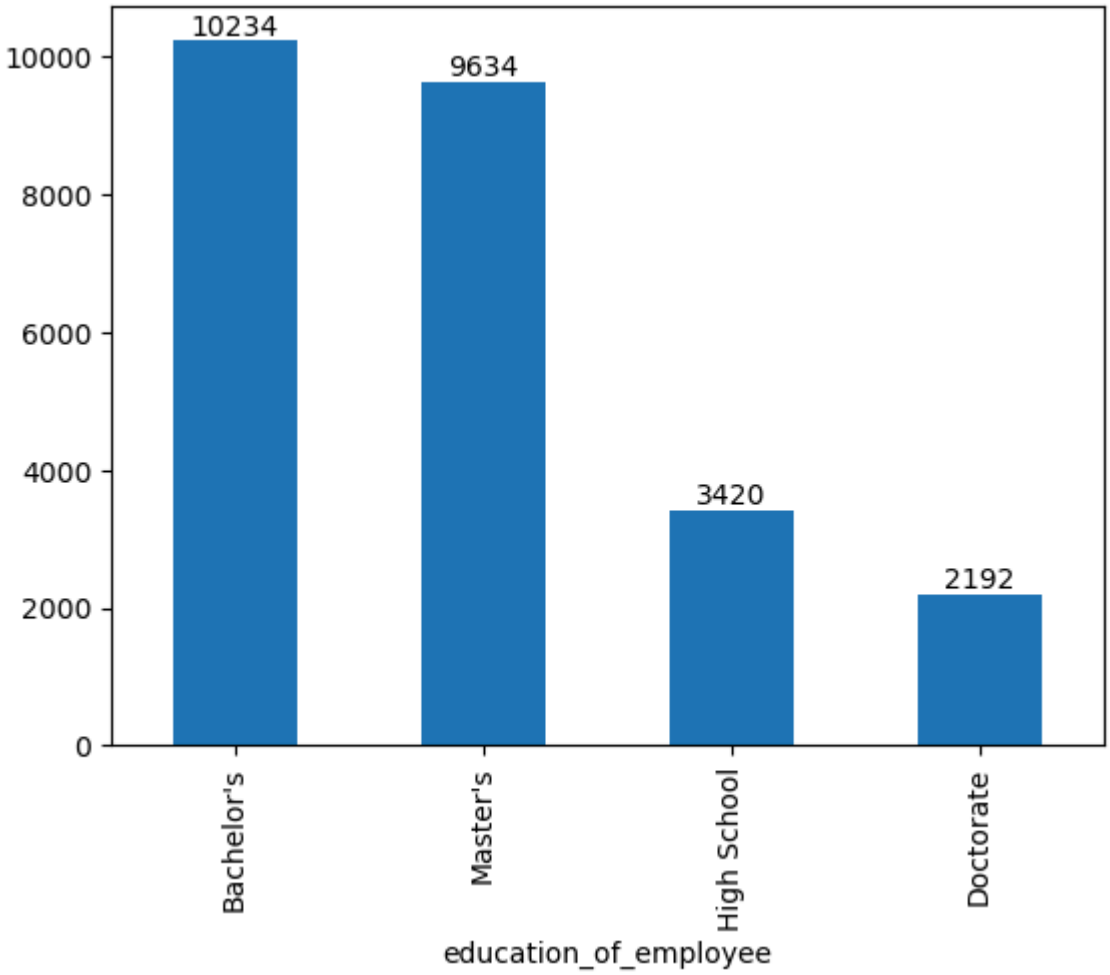


In [29]:
```
employeDf
```

Out[29]:
```
education_of_employee
Bachelor's     10234
Master's        9634
High School     3420
Doctorate       2192
Name: count, dtype: int64
```

matplotlib

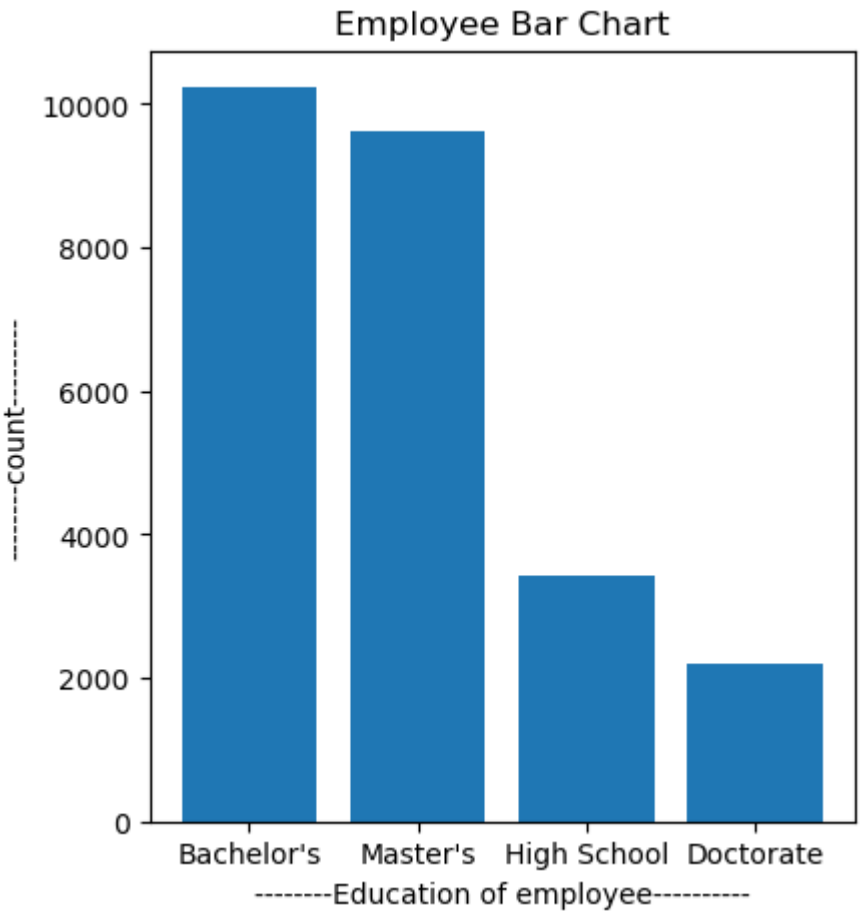
In [31]:
```
ax=employeDf.plot(kind='bar')
ax.bar_label(ax.containers[0])
pt.show()
```

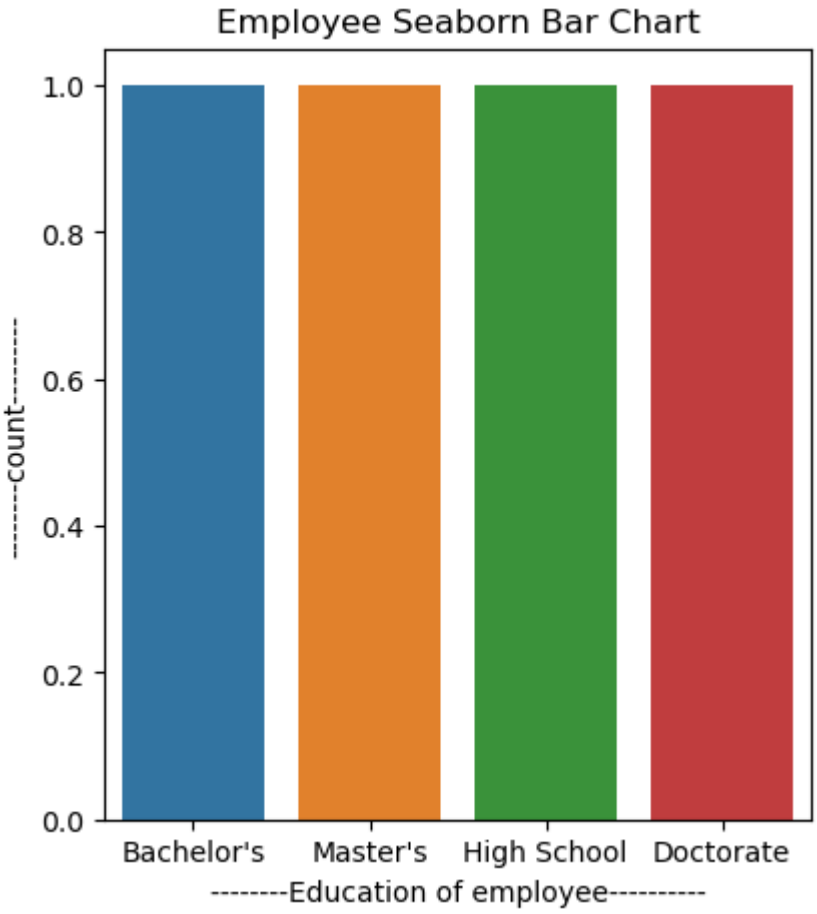


Subplots

In [38]:
```
pt.figure(figsize=[10,5])
pt.subplot(1,2,1)
pt.bar("education_of_employee","count",data=employeeDf)
pt.title("Employee Bar Chart")
pt.xlabel("--------Education of employee----------")
pt.ylabel("--------count---------")
pt.savefig("barchartemp.png")


pt.figure(figsize=[10,5])
pt.subplot(1,2,2)
empKeys=employeeDf.keys()
sns.countplot(data=employeeDf,x="education_of_employee", order=empKeys)
pt.title("Employee Seaborn Bar Chart")
pt.xlabel("--------Education of employee----------")
pt.ylabel("--------count---------")
pt.savefig("snsbarchartemp.png")
```

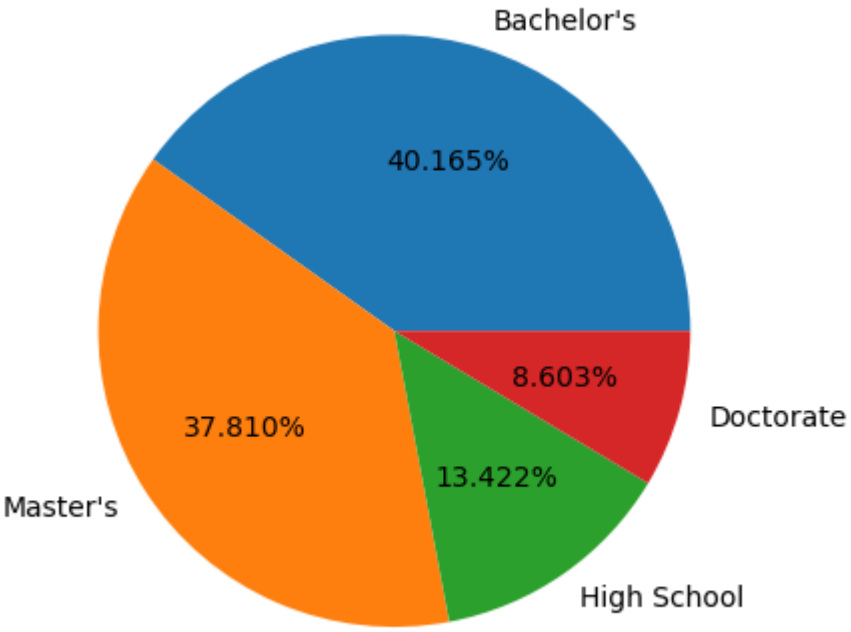




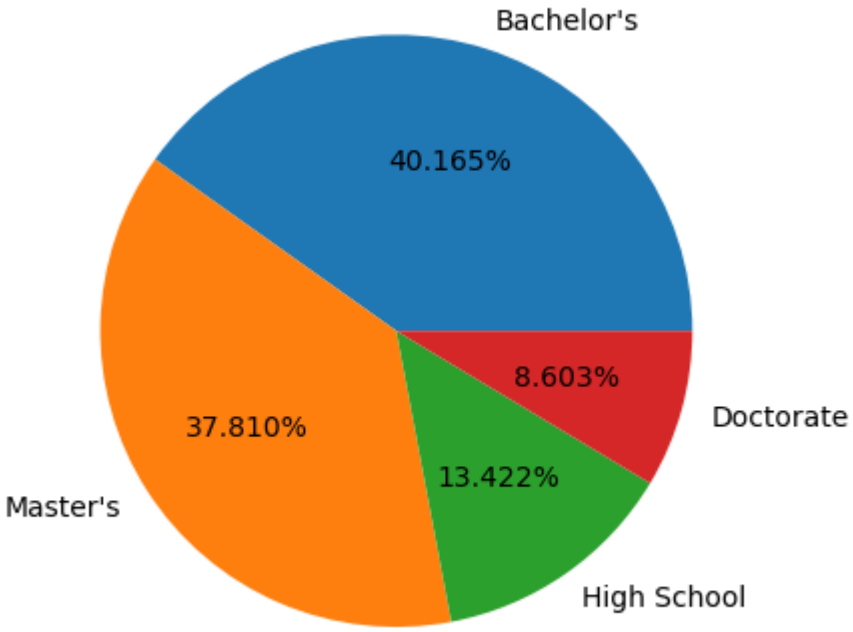
Piechart

In [43]:
```
pt.pie(empValues, labels=empKeys, autopct='%0.3f%%')
```

Out[43]:
```
([<matplotlib.patches.Wedge at 0x1c6fc3fbf50>,
  <matplotlib.patches.Wedge at 0x1c6fc94a350>,
  <matplotlib.patches.Wedge at 0x1c6fc991150>,
  <matplotlib.patches.Wedge at 0x1c6fc956890>],
 [Text(0.3344966922241296, 1.0479083752366503, "Bachelor's"),
  Text(-0.9261646618060718, -0.5934804286761652, "Master's"),
  Text(0.6288833423908359, -0.9024997183729925, 'High School'),
  Text(1.0600699942929763, -0.293686239377485, 'Doctorate')],
 [Text(0.18245274121316157, 0.5715863864927182, '40.165%'),
  Text(-0.5051807246214937, -0.3237165974597264, '37.810%'),
  Text(0.3430272776677286, -0.4922725736579958, '13.422%'),
  Text(0.5782199968870779, -0.1601924942059009, '8.603%')])
```



In [44]:
```
pt.pie(empValues, labels=empKeys, autopct='%0.3f%%')
pt.show()
```


Bachelor's
40.165%
8.603%
Doctorate
37.810%
13.422%
Master's
High School

In [ ]: