In [1]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import plotly.graph_objects as go
```

In [2]:
```
df=pd.read_csv("employee_analysis.csv")
df.head()
```

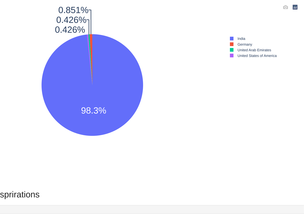
Out[2]:

	Your Current Country	Your Current Zip Code / PIN Code	Your Gender	Which of the below factors influence the most about your career aspirations ?	Would you definitely pursue a Higher Education / Post Graduation outside of India ? If only you have to self sponsor it.	How likely is you that you will work for one employer for 3 years or more ?	Would you work for a company whose mission is not clearly defined and publicly posted.	Has likely would you work for a company whose mission is not clearly defined and their public actions or even their product ?	How likely would you work for a company whose mission is not bringing social impact ?	What is the most preferred working environment for you.	Which of the below Employers would you work with.	Which type of learning environment that you are most likely to work in ?	Which of the below learning methods looks close to your Experiational job ?	What type of Manager would you prefer to work with and looking into your watch ?	Which of the following training setup you would like to work ?
0	India	273655	Male	People who have changed the world for better	Yes, I will even and that is the high.	This will be hard to do, but if it is the high.	Yes	Will NOT work for them	4	Fully Remote with No option to visit offices	Employer who appreciates learning and updates him.	Instructor or Expert Learning Programs, That	Business Operations in any organization, Audit,...	Manager who explains what is expected, Meeting...	Work alone, Work with 2 to 3 people in my team...
1	India	851129	Male	People who have changed the world for better	Yes, I will even and that is the high.	This will be hard to do, but if it is the high.	No	Will NOT work for them	5	Fully Remote with Options to visit offices when ever, travel up and down.	Employer who pushes your potential limits by rewarding you.	Self Paced Learning Portals, Instructor or Expert...	Business Operations in any organization, Audit,...	Manager who explains what is expected, Meeting...	Work with 5 people in my team...
2	India	123168	Female	Social Media like LinkedIn	Yes, I will even and that is the high.	Will work for 3 years or more	Yes	Will work for them	4	Hybrid Working Environment with less than 10 d...	Employer who pushes your potential limits by rewarding you.	Self Paced Learning Portals, That and your...	Manage and drive End-to-End Projects or Product...	Manager who explains what is expected, Meeting...	Work with 2 to 3 people in my team. Work with...
3	India	834833	Male	People from my circle, but not family members.	Yes, But if someone could have the cost	This will be hard to do, but if it is the high.	No	Will NOT work for them	6	Fully Remote with Options to travel as and when...	Employer who appreciates learning and updates...	Self Paced Learning Portals, Learning by obser...	Teaching in any of the institutions/colleges Or...	Business Manager who explains what is expected, Meeting...	Work with 2 to 3 people in my team. Work with...
4	India	301010	Female	Influencers who had successful careers	Yes, But if someone could have the cost	This will be hard to do, but if it is the high.	No	Will NOT work for them	5	Fully Remote with Options to travel as and when...	Employer who pushes your potential limits by rewarding you.	Instructor or Expert Learning Programs, That	Business Operations in any organization, Audit,...	Manager who explains what is expected, Meeting...	Work with 2 to 3 people in my team. Work with...

In [3]:
```
df.columns
```

Out[3]:
```
Index(['Your Current Country.', 'Your Current Zip Code / PIN Code',
       'Your Gender',
       'Which of the below factors influence the most about your career aspirations ?',
       'Would you definitely pursue a Higher Education / Post Graduation outside of India ? If only you have to self sponsor it.',
       'How likely is that you will work for one employer for 3 years or more ?',
       'Would you work for a company whose mission is not clearly defined and publicly posted.',
       'Has likely would you work for a company whose mission is not clearly defined and their public actions or even their product ?',
       'How likely would you work for a company whose mission is not bringing social impact ?',
       'What is the most preferred working environment for you.',
       'Which of the below Employers would you work with.',
       'Which type of learning environment that you are most likely to work in ?',
       'Which of the below careers looks close to your Aspirational job ?',
       'What type of Manager would you work without looking into your watch ?',
       'Which of the following setup you would like to work ?',
       dtype='object', )
```

In [4]:
```
count=df['Your Current Country.'].value_counts() #used to count values
labelcount=count.index
countcount=count.values #used to find percentage of country
fig=go.Figure(go.Pie(labels=labelcount,values=countcount))
fig.update_layout(title_text="Current Country.")
fig.update_traces(hoverinfo='label+value', textfont_size=20)
fig.show()
```



Objective 2

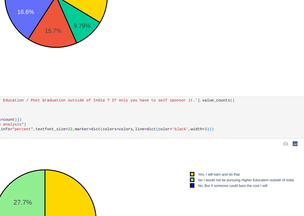
Factors influencing carresrs aspirations

In [5]:
```
df.head()
```

Out[5]:

	Your Current Country.	Your Current Zip Code / PIN Code	Your Gender	Which of the below factors influence the most about your career aspirations ?	Would you definitely pursue a Higher Education / Post Graduation outside of India ? If only you have to self sponsor it.	How likely is that you will work for one employer for 3 years or more ?	Would you work for a company whose mission is not clearly defined and publicly posted.	Has likely would you work for a company whose mission is not clearly defined and their public actions or even their product ?	How likely would you work for a company whose mission is not bringing social impact ?	What is the most preferred working environment for you.	Which of the below Employers would you work with.	Which type of learning environment that you are most likely to work in ?	Which of the below learning methods looks close to your Experiational job ?	What type of Manager would you prefer to work with and looking into your watch ?	Which of the following training setup you would like to work ?
0	India	273655	Male	People who have changed the world for better	Yes, I will even and that is the high.	This will be hard to do, but if it is the high.	No	Will NOT work for them	4	Fully Remote with No option to visit offices	Employer who appreciates learning and updates him.	Instructor or Expert Learning Programs, That	Business Operations in any organization, Audit,...	Manager who explains what is expected, Meeting...	Work alone, Work with 2 to 3 people in my team...
1	India	851129	Male	People who have changed the world for better	Yes, But if someone could have the cost	This will be hard to do, but if it is the high.	No	Will NOT work for them	5	Fully Remote with Options to visit offices when ever, travel up and down.	Employer who pushes your potential limits by rewarding you.	Self Paced Learning Portals, Instructor or Expert...	Business Operations in any organization, Audit,...	Manager who explains what is expected, Meeting...	Work with 5 people in my team...
2	India	123168	Female	Social Media like LinkedIn	Yes, I will even and that is the high.	Will work for 3 years or more	Yes	Will work for them	4	Hybrid Working Environment with less than 10 d...	Employer who pushes your potential limits by rewarding you.	Self Paced Learning Portals, That and your...	Manage and drive End-to-End Projects or Product...	Manager who explains what is expected, Meeting...	Work with 2 to 3 people in my team. Work with...
3	India	834833	Male	People from my circle, but not family members.	Yes, But if someone could have the cost	This will be hard to do, but if it is the high.	No	Will NOT work for them	6	Fully Remote with Options to travel as and when...	Employer who appreciates learning and updates...	Self Paced Learning Portals, Learning by obser...	Teaching in any of the institutions/colleges Or...	Business Manager who explains what is expected, Meeting...	Work with 2 to 3 people in my team. Work with...
4	India	301010	Female	Influencers who had successful careers	Yes, But if someone could have the cost	This will be hard to do, but if it is the high.	No	Will NOT work for them	5	Fully Remote with Options to travel as and when...	Employer who pushes your potential limits by rewarding you.	Instructor or Expert Learning Programs, That	Business Operations in any organization, Audit,...	Manager who explains what is expected, Meeting...	Work with 2 to 3 people in my team. Work with...

In [6]:
```
factors=df["Which of the below factors influence the most about your career aspirations ?".value_count()
labelcount=factors.index
countcount=factors.values
colors=['gold','lightgreen','blue']
fig=go.Figure(go.Pie(labels=labelcount,values=countcount))
fig.update_layout(title_text="Factors Influence Carrer Aspirants")
fig.update_traces(hoverinfo='label+value',textfont_size=20,marker=dict(colors=colors,line=dict(color='black',width=3)))
fig.show()
```



Objective 3

In [16]:
```
question0="Would you definitely pursue a Higher Education / Post Graduation outside of India ? If only you have to self sponsor it.".value_count()
labelcount=question0.index
countcount=question0.values
colors=['gold','lightgreen','blue']
fig=go.Figure(go.Pie(labels=labelcount,values=countcount))
fig.update_layout(title_text="Abroad education analysis")
fig.update_traces(hoverinfo='label+value',textfont_size=22,marker=dict(colors=colors,line=dict(color='black',width=3)))
fig.show()
```

Objective-4

In [18]:
```
df.head()
```

Out[18]:

	Your Current Country.	Your Current Zip Code / PIN Code	Your Gender	Which of the below factors influence the most about your career aspirations ?	Would you definitely pursue a Higher Education / Post Graduation outside of India ? If only you have to self sponsor it.	How likely is that you will work for one employer for 3 years or more ?	Would you work for a company whose mission is not clearly defined and publicly posted.	Has likely would you work for a company whose mission is not clearly defined and their public actions or even their product ?	How likely would you work for a company whose mission is not bringing social impact ?	What is the most preferred working environment for you.	Which of the below Employers would you work with.	Which type of learning environment that you are most likely to work in ?	Which of the below learning methods looks close to your Experiational job ?	What type of Manager would you prefer to work with and looking into your watch ?	Which of the following training setup you would like to work ?
0	India	273655	Male	People who have changed the world for better	Yes, I will even and that is the high.	This will be hard to do, but if it is the high.	No	Will NOT work for them	4	Fully Remote with No option to visit offices	Employer who appreciates learning and updates him.	Instructor or Expert Learning Programs, That	Business Operations in any organization, Audit,...	Manager who explains what is expected, Meeting...	Work alone, Work with 2 to 3 people in my team...
1	India	851129	Male	People who have changed the world for better	Yes, But if someone could have the cost	This will be hard to do, but if it is the high.	No	Will NOT work for them	5	Fully Remote with Options to visit offices when ever, travel up and down.	Employer who pushes your potential limits by rewarding you.	Self Paced Learning Portals, Instructor or Expert...	Business Operations in any organization, Audit,...	Manager who explains what is expected, Meeting...	Work with 5 people in my team...
2	India	123168	Female	Social Media like LinkedIn	Yes, I will even and that is the high.	Will work for 3 years or more	Yes	Will work for them	4	Hybrid Working Environment with less than 10 d...	Employer who pushes your potential limits by rewarding you.	Self Paced Learning Portals, That and your...	Manage and drive End-to-End Projects or Product...	Manager who explains what is expected, Meeting...	Work with 2 to 3 people in my team. Work with...
3	India	834833	Male	People from my circle, but not family members.	Yes, But if someone could have the cost	This will be hard to do, but if it is the high.	No	Will NOT work for them	6	Fully Remote with Options to travel as and when...	Employer who appreciates learning and updates...	Self Paced Learning Portals, Learning by obser...	Teaching in any of the institutions/colleges Or...	Business Manager who explains what is expected, Meeting...	Work with 2 to 3 people in my team. Work with...
4	India	301010	Female	Influencers who had successful careers	Yes, But if someone could have the cost	This will be hard to do, but if it is the high.	No	Will NOT work for them	5	Fully Remote with Options to travel as and when...	Employer who pushes your potential limits by rewarding you.	Instructor or Expert Learning Programs, That	Business Operations in any organization, Audit,...	Manager who explains what is expected, Meeting...	Work with 2 to 3 people in my team. Work with...

In [19]:
```
question1="How likely is that you will work for one employer for 3 years or more ?".value_count()
labelcount=question1.index
countcount=question1.values
colors=['gold','lightgreen','red']
fig=go.Figure(go.Pie(labels=labelcount,values=countcount))
fig.update_layout(title_text="Employers Working Period In Particular Company")
fig.update_traces(hoverinfo='label+value',textfont_size=20,marker=dict(colors=colors,line=dict(color='black',width=3)))
fig.show()
```


Objective-5

In [20]:
```
df.head()
```

Out[20]:

	Your Current Country.	Your Current Zip Code / PIN Code	Your Gender	Which of the below factors influence the most about your career aspirations ?	Would you definitely pursue a Higher Education / Post Graduation outside of India ? If only you have to self sponsor it.	How likely is that you will work for one employer for 3 years or more ?	Would you work for a company whose mission is not clearly defined and publicly posted.	Has likely would you work for a company whose mission is not clearly defined and their public actions or even their product ?	How likely would you work for a company whose mission is not bringing social impact ?	What is the most preferred working environment for you.	Which of the below Employers would you work with.	Which type of learning environment that you are most likely to work in ?	Which of the below learning methods looks close to your Experiational job ?	What type of Manager would you prefer to work with and looking into your watch ?	Which of the following training setup you would like to work ?
0	India	273655	Male	People who have changed the world for better	Yes, I will even and that is the high.	This will be hard to do, but if it is the high.	No	Will NOT work for them	4	Fully Remote with No option to visit offices	Employer who appreciates learning and updates him.	Instructor or Expert Learning Programs, That	Business Operations in any organization, Audit,...	Manager who explains what is expected, Meeting...	Work alone, Work with 2 to 3 people in my team...
1	India	851129	Male	People who have changed the world for better	Yes, But if someone could have the cost	This will be hard to do, but if it is the high.	No	Will NOT work for them	5	Fully Remote with Options to visit offices when ever, travel up and down.	Employer who pushes your potential limits by rewarding you.	Self Paced Learning Portals, Instructor or Expert...	Business Operations in any organization, Audit,...	Manager who explains what is expected, Meeting...	Work with 5 people in my team...
2	India	123168	Female	Social Media like LinkedIn	Yes, I will even and that is the high.	Will work for 3 years or more	Yes	Will work for them	4	Hybrid Working Environment with less than 10 d...	Employer who pushes your potential limits by rewarding you.	Self Paced Learning Portals, That and your...	Manage and drive End-to-End Projects or Product...	Manager who explains what is expected, Meeting...	Work with 2 to 3 people in my team. Work with...
3	India	834833	Male	People from my circle, but not family members.	Yes, But if someone could have the cost	This will be hard to do, but if it is the high.	No	Will NOT work for them	6	Fully Remote with Options to travel as and when...	Employer who appreciates learning and updates...	Self Paced Learning Portals, Learning by obser...	Teaching in any of the institutions/colleges Or...	Business Manager who explains what is expected, Meeting...	Work with 2 to 3 people in my team. Work with...
4	India	301010	Female	Influencers who had successful careers	Yes, But if someone could have the cost	This will be hard to do, but if it is the high.	No	Will NOT work for them	5	Fully Remote with Options to travel as and when...	Employer who pushes your potential limits by rewarding you.	Instructor or Expert Learning Programs, That	Business Operations in any organization, Audit,...	Manager who explains what is expected, Meeting...	Work with 2 to 3 people in my team. Work with...

In [21]:
```
dataref="What is the most preferred working environment for you.".value_count()
labelcount=dataref.index
countcount=dataref.values
colors=['aqua','green','red','purple','copper','orange']
fig=go.Figure(go.Pie(labels=labelcount,values=countcount))
fig.update_layout(title_text="Work Modes Preferred By Genz")
fig.update_traces(hoverinfo='label+value',textfont="percent",textfont_size=21,marker=dict(colors=colors,line=dict(color='black',width=3)))
fig.show()
```