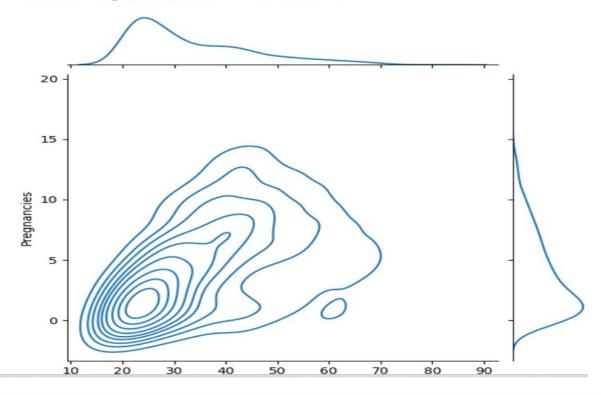


```
In [5]: #Generate Joinplot for age vs pregnancy.
sns.jointplot(x='Age',y='Pregnancies',data=df,kind='kde')
```

Out[5]: <seaborn.axisgrid.JointGrid at 0x251183459d0>

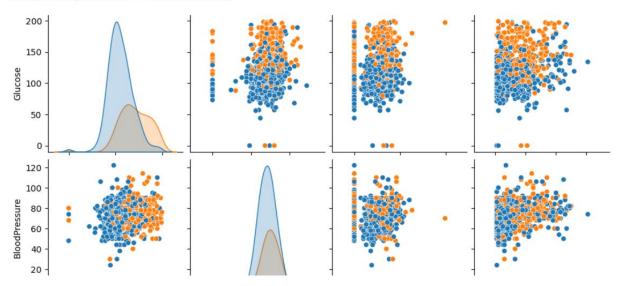


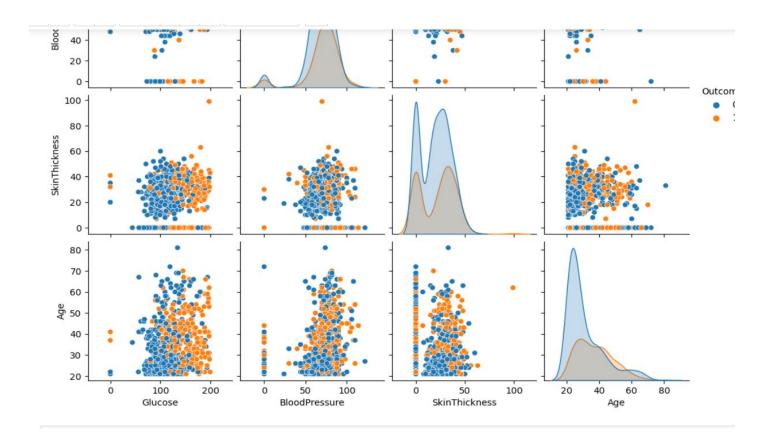
In [6]: df.columns

Age

In [7]: #Generate pairplot for diabetes dataset.
sns.pairplot(df[['Glucose', 'BloodPressure', 'SkinThickness', 'Age', 'Outcome']],hue='Outcome')

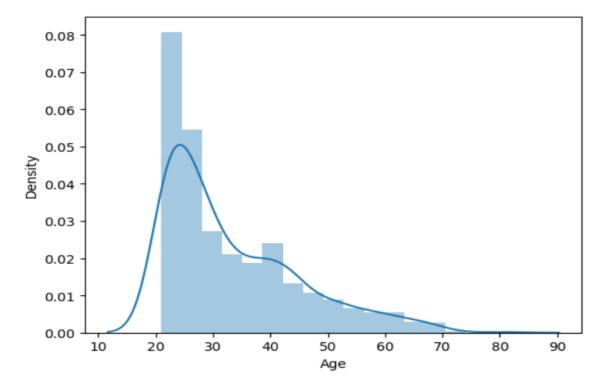
Out[7]: <seaborn.axisgrid.PairGrid at 0x25118347dd0>





In [8]: #Generate distplot for age.
sns.distplot(df['Age'])

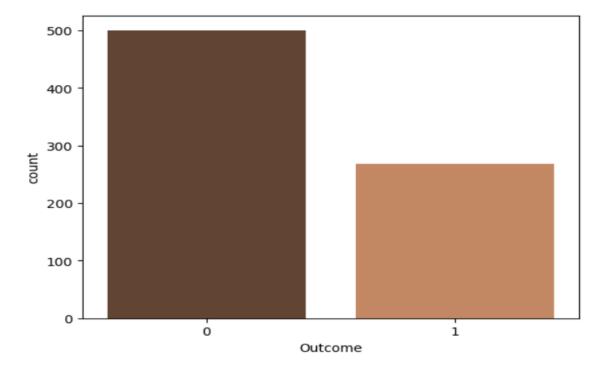
Out[8]: <Axes: xlabel='Age', ylabel='Density'>

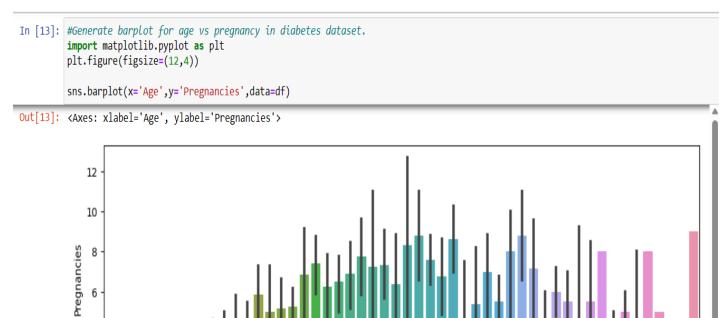


```
In [10]: #Generate countplot for outcome variable in diabetes dataset.
sns.countplot(x=df['Outcome'],palette='copper')
```

Out[10]: <Axes: xlabel='Outcome', ylabel='count'>

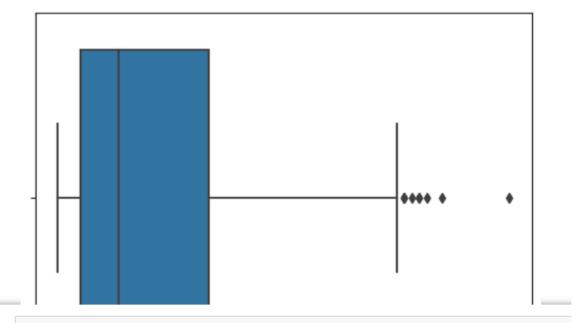
4





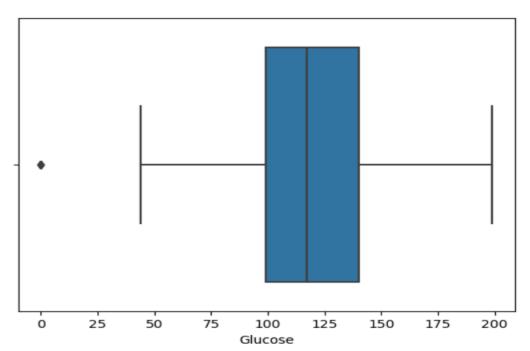
In [14]: # Generate box plot for age and glucose.
sns.boxplot(x='Age',data=df)

Out[14]: <Axes: xlabel='Age'>



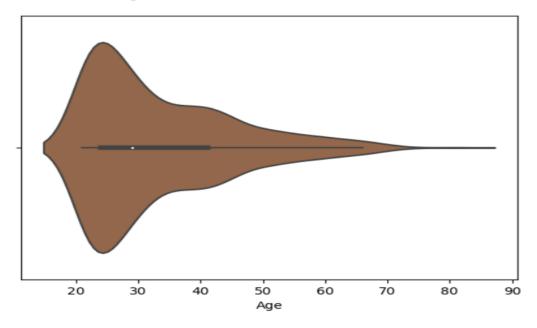
In [15]: sns.boxplot(x='Glucose',data=df)

Out[15]: <Axes: xlabel='Glucose'>



```
In [16]: #Generate violin plot for age and glucose.
sns.violinplot(x=df['Age'],palette='copper')
```

Out[16]: <Axes: xlabel='Age'>



In [17]: sns.violinplot(x=df['Glucose'],palette='copper')

Out[17]: <Axes: xlabel='Glucose'>

