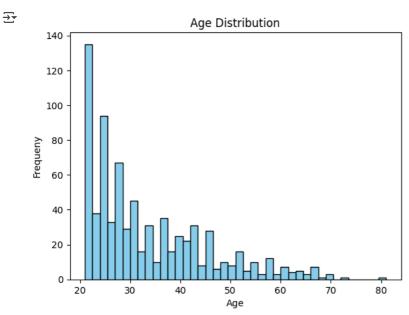
```
import pandas as pd
import matplotlib.pyplot as plt
df=pd.read_csv('/content/archive (10).zip')
plt.hist(df['Age'], bins=40, color='skyblue',edgecolor='black')
plt.title('Age Distribution')
plt.xlabel('Age')
plt.ylabel('Frequeny')
plt.show()
```



summary=df.describe()
print(summary)

<del></del>		Pregnancies	Glucose	BloodPressure	SkinThickne	ss Insulin	\
_	count	768.000000	768.000000	768.000000	768.0000	768.000000	
	mean	3.845052	120.894531	69.105469	20.5364	79.799479	
	std	3.369578	31.972618	19.355807	15.9522	18 115.244002	
	min	0.000000	0.000000	0.000000	0.0000	0.000000	
	25%	1.000000	99.000000	62.000000	0.0000	0.000000	
	50%	3.000000	117.000000	72.000000	23.0000	30.500000	
	75%	6.000000	140.250000	80.00000	32.0000	00 127.250000	
	max	17.000000	199.000000	122.000000	99.0000	00 846.000000	
		BMI	DiabetesPedi	greeFunction	Age	Outcome	
	count	768.000000		768.000000	768.000000 7	58.000000	
	mean	31.992578		0.471876	33.240885	0.348958	
	std	7.884160		0.331329	11.760232	0.476951	
	min	0.000000		0.078000	21.000000	0.000000	
	25%	27.300000		0.243750	24.000000	0.000000	
	50%	32.000000		0.372500	29.000000	0.000000	
	75%	36.600000		0.626250	41.000000	1.000000	
	max	67.100000		2.420000	81.000000	1.000000	

```
import seaborn as sns
plt.figure(figsize=(8, 5))
sns.scatterplot(x=df['Glucose'], y=df['Insulin'], color='purple')
plt.title('Glucose vs. Insulin', fontsize=14)
plt.xlabel('Glucose', fontsize=12)
plt.ylabel('Insulin', fontsize=12)
plt.show()
```

