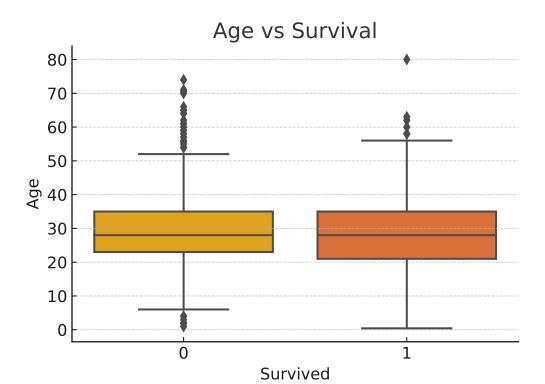
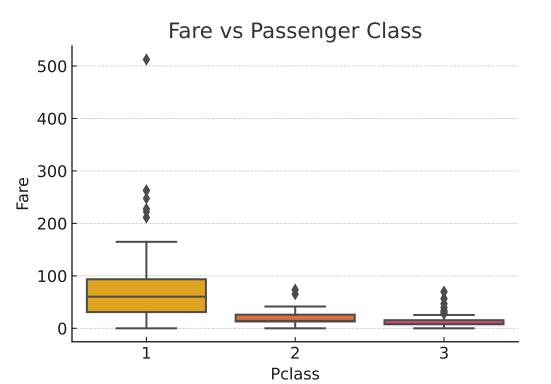


Correlation Heatmap

								1 .0
Passengerld	- 1	-0.005	-0.035	0.034	-0.058	-0.0017	0.013	- 0.8
Survived	0.005	1	-0.34	-0.065	-0.035	0.082	0.26	- 0.6
Pclass	0.035	-0.34	1	-0.34	0.083	0.018	-0.55	- 0.4
Age	- 0.034	-0.065	-0.34	1	-0.23	-0.17	0.097	- 0.2
SibSp	0.058	-0.035	0.083	-0.23	1	0.41	0.16	- 0.0
Parch	0.0017	0.082	0.018	-0.17	0.41	1	0.22	0.2
Fare	- 0.013	0.26	-0.55	0.097	0.16	0.22	1	0.4
PassengerId Survived			Pclass	Age	SibSp	Parch	Fare	





Titanic Dataset EDA Summary:

- 1. Women had a higher survival rate than men.
- 2. First class passengers were more likely to survive.
- 3. Younger passengers (especially children) had better chances of survival.
- 4. Cabin column was dropped due to excessive missing values.
- 5. Age missing values filled with median.
- 6. Embarked missing values filled with mode.
- 7. Correlation heatmap shows that Pclass, Sex, and Fare impact survival.

Prepared using Python, Pandas, Seaborn, and Matplotlib.