Submit pandas file with name of all the students in the group for following questions.

Questions:

1. How many rows and columns are there in the Titanic dataset?
2. What is the average age of passengers on the Titanic?
3. How many passengers survived, and how many did not survive?
4. What is the percentage of male and female passengers on the Titanic?
5. What is the average age of passengers in each passenger class (Pclass)?
6. What is the average fare paid by passengers in each passenger class (Pclass)?
7. How many passengers survived from each embarkation port (C, Q, S)?
8. Who is the oldest and youngest passenger on the Titanic?
9. How many passengers had siblings or spouses aboard (SibSp > 0) and how many had parents or children aboard (Parch > 0)?
10. What is the survival rate for passengers of different ages (e.g., children, adults, and the elderly)?
11. What is the survival rate for passengers who were traveling alone (no SibSp or Parch) compared to those with family members on board?
12. What were the survival rates for passengers from different embarkation ports (C, Q, S) in each passenger class?
13. What is the correlation between passenger age and ticket fare? Does a higher age generally correspond to a higher fare?
14. What is the most common port of embarkation (Embarked) for passengers on the Titanic?
15. How many passengers had more than one sibling or spouse aboard (SibSp > 1)?
16. How many passengers in each passenger class (Pclass) were traveling with at least one family member (SibSp > 0 or Parch > 0)?