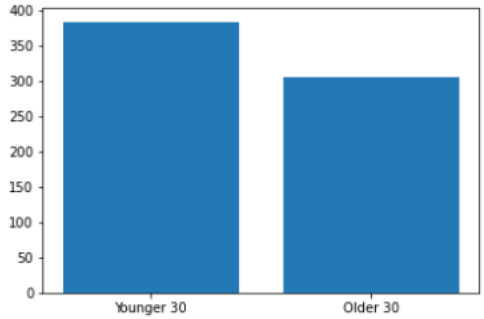
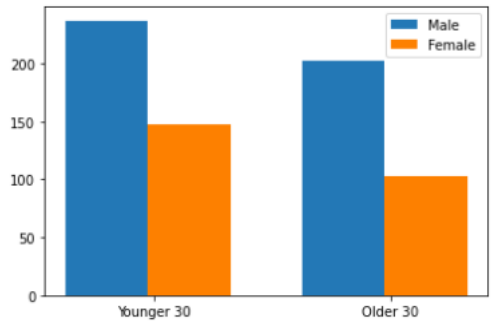
Analytical Programming

Question 1.
Using bar chart, visualize the distribution of two groups of passengers: 1) those who are older than 30 2) those who are younger than 30. See the below Figure.



Question 2.
Repeat the previous question and this time separate male and female. See figure below:

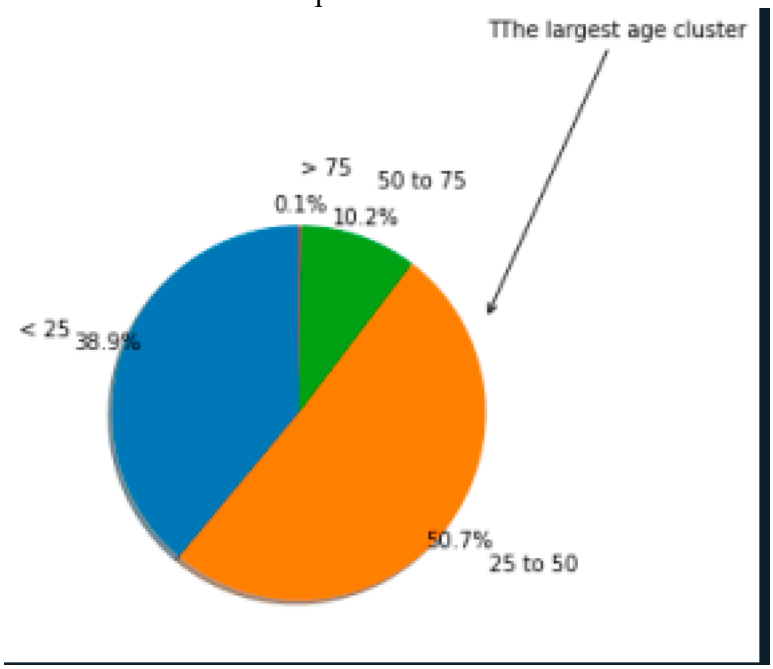


Question 3.
Use scatter plot and visualize the data where the x coordinate of each point is the age of the passenger and the y coordinate is their fare. What age (approximately) had the most expensive ticket?

Question 4.
Use Histogram and visualize the distribution of the passengers' age. Use the comment and interpret the visual result.

Question 5.
Use an appropriate visualization technique and analyse the outliers in 1) Passengers ages 2) Passengers Ticket Fare.

Question 6.
Use pie-chart and visualize the four different age clusters: 1) **age<25** 2) **25<= age <50** 3) **50<=age <75** 4) **age>=75**
Use text annotation and point to the cluster with the maximum population. See the figure below:



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