1explain the code to create a dataframe in pandas using python list,python dictionary of tuples,python dictionary of list with example

2.Create a sample dataframe with shape 6x5 and write a program to get the first 3 rows of a given DataFrame

3.Write a program to find the total number of columns in the below dataframe and also find that is Micael qualified in the exam or not??

exam\_data = {'name': ['Anastasia', 'Dima', 'Katherine', 'James', 'Emily', 'Michael', 'Matthew', 'Laura', 'Kevin', 'Jonas'],

'score': [12.5, 9, 16.5, np.nan, 9, 20, 14.5, np.nan, 8, 19],

'attempts': [1, 3, 2, 3, 2, 3, 1, 1, 2, 1],

'qualify': ['yes', 'no', 'yes', 'no', 'no', 'yes', 'yes', 'no', 'no', 'yes']}

4.How to read data from excel file and csv file in pandas explain with sample and mention how to skip unnecessary rows on the top of the data

exam\_data = {'name': ['Anastasia', 'Dima', 'Katherine', 'James', 'Emily', 'Michael', 'Matthew', 'Laura', 'Kevin', 'Jonas'],

'score': [12.5, 9, 16.5, np.nan, 9, 20, 14.5, np.nan, 8, 19],

'attempts': [1, 3, 2, 3, 2, 3, 1, 1, 2, 1],

'qualify': ['yes', 'no', 'yes', 'no', 'no', 'yes', 'yes', 'no', 'no', 'yes']}

index= ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j']

5.Find the score of ‘d’

6.Explain fillna(),dropna(),and interpolate(),replace() with code

7.Explain concat with example

8.How to change the index to DateTimeIndex? Explain with weather data..

9.What is merge in pandas explain all types of merges with drivers data

10.Get the movie\_data.csv and do all exercises.  
Write a Python Pandas program to get the columns of the DataFrame (movies\_metadata.csv file)?

Write a Pandas program to get the details of the movie with title 'Grumpier Old Men'

Write a Pandas program to display the first 10 rows of the DataFrame

Write a Pandas program to sort the DataFrame based on release\_date

Write a Pandas program to access those movies, released after 1995-01-01

Write a Pandas program to get those movies whose revenue more than 2 million and spent less than 1 million.

Write a Pandas program to get the longest runtime and shortest runtime

Write a Pandas program to display the movies and received number of votes (title, number of votes)

Find the total number of movie released in november 1995 and its total revenue

list all movies that belongs to action and romance genre?