

1. Initialize 3 lists: Name, age(between 25 and 35) and mark(out of 100) with 10 items each. Create a dataframe with these lists with Name being the index.
2. Create a list from the column age such that alternate age is replaced with the square of the age.
3. Add a 4th column, with column name "Result". If the age is less 32 and mark greater than 80, the Result value is Pass else Fail.
4. From the dataset attached, create a dataframe df such that it consists of the first 100000 rows.
5. From df, find the list of artists tagged by each user.
6. Merge the date, month and year to form a single column. Drop the 3 columns once that is done.
7. Find all users who has tagged artistID 494 as 176. Replace those TagID as 117766
8. Save the dataframe as a .xlsx file.