CMPU4003 Advanced Databases

Continuous Assessment

Part I (Deadline Thursday 9th November @ 14.00)

Questions

1. For each edition of the programme, what is the total votes cast by each age group in each county?

   o Include the age group description and county name in the output.

2. For each county, what is the total number of votes received by each participant in the 2022 edition of the programme from audience viewers in that county voting for participants from the same county?

   o Include the county name in the output.

3. The TV Company charges audience voters to cast their votes.

   o From 2013 to 2015 the charges were:

     ▪ 20c for votes cast by Facebook and Instagram

     ▪ 50c for votes cast using the TV app and by Phone.

   o From 2016 to 2022 the charges were:

     ▪ 50c for votes cast by Facebook and Instagram

     ▪ 1€ for votes cast using the TV app and by Phone.

   o Jury voters are not charged for casting their votes.

   For the 2013 and 2019 edition of the programme respectively, for each county, what was the total income earned from audience viewers in that county for each voting category?

     ▪ Include the county names and the year in the output.

- *Hint*: You should think about what you need to include in the *Fact* table to facilitate this query.