

Context:

In the UEFA Champions League, the group stage comprises of 32 football clubs.
This year, the following teams have qualified:

- **Club (Country)**

1. Arsenal (ENG)
2. Astana (KAZ)
3. Atlético (ESP)
- 4. Barcelona (ESP)**
5. BATE (BLR)
- 6. Bayern (GER)**
- 7. Benfica (POR)**
- 8. Chelsea (ENG)**
9. CSKA Moskva (RUS)
10. Dinamo Zagreb (CRO)
11. Dynamo Kyiv (UKR)
12. Galatasaray (TUR)
13. Gent (BEL)
- 14. Juventus (ITA)**
15. Leverkusen (GER)
16. Lyon (FRA)
17. M. Tel-Aviv (ISR)
18. Malmö (SWE)
19. Man. City (ENG)
20. Man. United (ENG)
21. Mönchengladbach (GER)
22. Olympiacos (GRE)
- 23. Paris (FRA)**
24. Porto (POR)
- 25. PSV (NED)**
26. Real Madrid (ESP)
27. Roma (ITA)
28. Sevilla (ESP)
29. Shakhtar Donetsk (UKR)
30. Valencia (ESP)
31. Wolfsburg (GER)
- 32. Zenit (RUS)**

Problem Statement:

Our goal is to create a program / website application which randomly generates 8 groups with 4 teams each.

For e.g., this year's group stage looks like this:



Rules & Instructions:

- Use the list of teams given on Page 1.
- Group names will be "Group A", "Group B", "Group C" and so on.
- A group cannot have more than one team from the same country.
- The teams marked in red are domestic league champions. The first team of every group must be a domestic league champion.
- The program should be able to generate a fresh new list each time it is run.
- The program should output a list of teams under each group title.
- Added points for showing club logos in output.
- You are free to use any programming language / stack. Use of database is up to you.
- Create and send a ZIP file of your project, with instructions to execute, if any.

All the best!