

MATH2305 Group Project

Choose 1 or 2 people in class to work with. (No more than THREE per group.) Make sure that everyone in class today is in a group.

Your group must turn in a report next time (Monday 2/19) that includes the following:

- List of names in the group
 - Statement of the problem
 - Complete solution (give this in an organized and readable form)
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Five bosses of five different departments are in a meeting. Their chairs (each a different color) are arranged in a row facing a white board.

- One boss makes \$6,000 monthly.
- One boss sits in a green chair.
- One boss heads the IT dept.
- One boss will take his vacation in January.
- Julian is at the fifth position.
- The boss in the red chair is going on vacation on June.
- The boss sitting in the black chair sits somewhere between who earns \$3,000 and Alice, in that order.
- The 51-year-old boss makes \$2,000 monthly.
- Maria is at the first position.
- The boss who is going on vacation in March is sitting at one of the ends.
- Alice is sitting next to who earns \$4,000 each month.
- In the fourth position is the boss who is going on vacation in August.
- The boss sitting in the black chair earns \$4,000 monthly.
- On one of the ends is the boss who makes \$5,000 monthly.
- The 46-year-old boss is somewhere to the left of the boss who works at HR department.
- The boss from HR department is somewhere between who is 40 years old and Thomas, in that order.
- Nathan is going on vacation in December.
- The Sales department's boss is exactly to the right of the 46-year-old boss.
- The boss sitting in the Red chair is somewhere to the left of the boss sitting in the yellow chair.
- In the first position is the boss of R&D department.
- The oldest boss, who is 55 years old, is sitting in the blue chair.
- The boss sitting in the yellow chair is on one of the ends.
- The youngest boss, who is 34 years old, is sitting at the fifth position.
- The boss of the Marketing department is 51 years old.

Prepare a solution that clearly shows these attributes for each boss:

- Name
- Where in the row he/she sits
- The color of his/her chair
- The department name
- The month he/she will take vacation
- Age
- Monthly salary

No boss will have any of the same attributes as the other bosses.