

Please answer the below puzzle using C#.

When developing, keep in mind that future requirements may change and that the code will need to be maintained by others.

Holmes and Watson repeatedly interview six suspects isolated in rooms arranged clockwise as follows: Mustard, Green, Plum, Peacock, Scarlett, White.

Each room is connected to its immediate neighbours anti-clockwise and clockwise neighbours; eg the room holding Mustard is connected to the room holding White (anticlockwise) and the room holding Green (clockwise), the room holding Plum is connected to the room holding Green (anticlockwise) and Peacock (clockwise) and so on. Holmes interviews Mustard first.

His interviews each last 15 minutes; at the end of each, he moves one room clockwise and begins his next interview. Watson interviews White first. His interviews each last 20 minutes; at the end of each, he moves one room anticlockwise and begins his next interview. If either investigator enters a room in which an interview is already taking place, he runs through to the next room and immediately starts a new interview there instead.

Meanwhile, Wellington starts in the same room as Mustard, sleeps for 30 minutes and then moves one room anticlockwise, repeating this every 30 minutes. When Holmes enters a room in which Watson is conducting an interview and Wellington is asleep, Wellington fails to bark, and Holmes proclaims that he has already concluded that the suspect present stands guilty of stealing the silver.

Who is the culprit and when does Holmes discover this?