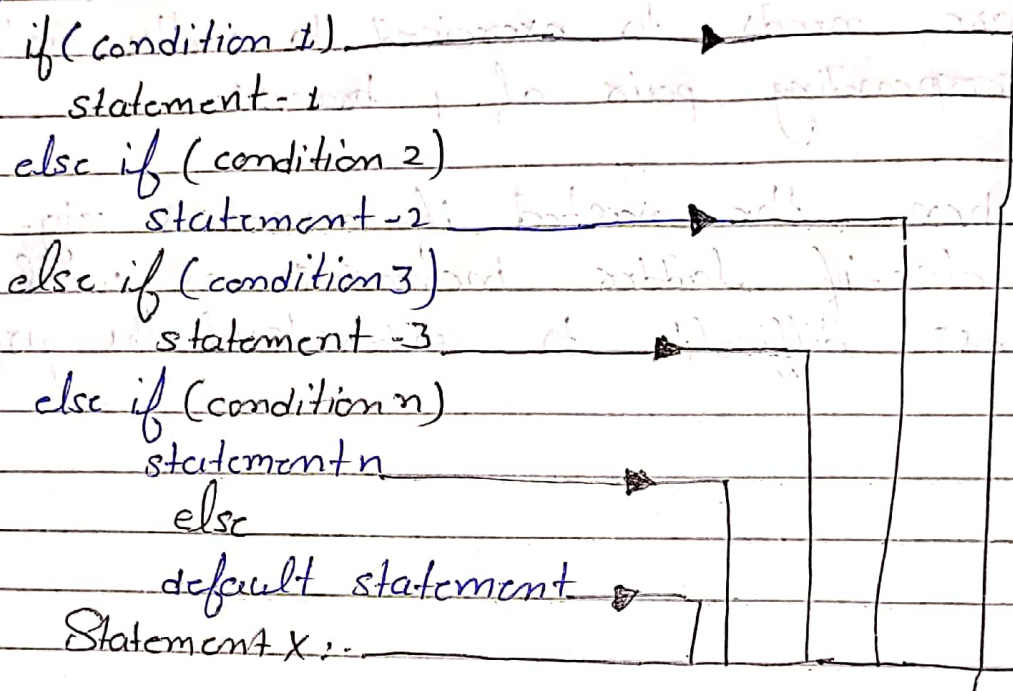


Q. What are the disadvantages of if-else-if ladder?
Ans → 1) → There is another way of putting if's together when multipath decisions are involved.

2) → A multipath decision is a chain of if's in which the statement associated with each else is an if. It takes the following general form



This construction is known as the if-else-if ladder

3) The conditions are evaluated from the top (of the ladder) to downwards as soon as a true condition is found.

4) when all the n conditions become false then the final else containing the default statement will be executed.

Following are various disadvantages of if-else-if ladders:

- ①. As the number of conditions goes on increasing, the level of zig zag from if-else-if ladder also goes on increasing.
- ②. Case needs to be exercised to match the corresponding if and else.
- ③. Case needs to be exercised to match the corresponding pair of `{` braces.
- ④. When the nested if-increases, zig-zag from if-else-if ladder increases as well as it becomes difficult to understand the program.