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Debugging
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=> Debugging is the process of executing code line by line

=> Debugging is used to understand runtime behaviour of our code

=> Debugging is used to find problems in the code

=> To run the code in debug mode we will use break points.

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What is Break point ?
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A breakpoint is a special marker you set in your code to tell the debugger:
ðŸ'‰ â€œPause the program execution here when debugging.â€

=> We will use below shortcuts in IntelliJ IDE while debugging the program

        Shift + F9 : Start Debugging

        Ctrl + F8 : Add/Remove breakpoint

        F8 : Step over (Next Line)

        F7 : Step Into (go into method)

        Shift + F8 : Step Out (Exit method)

        F9 : Resume Program (Continue running)

        Alt + F8 : View Variables

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What is reset frame ?
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=> It allows you to go back to a previous state in the current method.

=> Useful when you want to re-execute a method or a block of code without restarting the whole program.

=> Works only when the method is still on the call stack.

âš¡ Example Use Case ::

=> Youâ€™re debugging and stepped into a method,

                    Ex:: processData().

=> You see something wrong after executing some lines or you lost your understanding.

=> Instead of restarting the whole program, you can use "reset frame" and start executing processData() method again from the startring.