Static variable---- create a static variable when following 2 questions gives answer yes

1. When you want to share a variable between all objects of same class
2. When you want to initialize the variable before creation of first object

Static functions

Static functions and static variables can be called by using class name or object

But this pointer will not be passed to static functions

Static block-🡪is a block which gets executed before main method or it gets executed as soon as it’s loaded in the memory

Static functions a cannot access instance variables, it can access only static variables and static functions.

But member functions can access static members and instance variables also