Static methods do not need instance variables of any object of the class they are defined in. When we use static we don't need to create any instance of that class. Whenever we import that static class in our java file, we only need to access it by name not by instance creation.

You can access static variables, but except for constants, this is unusual. Static methods typically take all data from parameters and compute something from those parameters, with no reference to variables.

A typical EXAMPLE of static is the Math Functions. The math functions are all static methods.

e.g. Math.pow() or Math.sqrt()

You do not have to do Math mathfunc = new Math() // to create an instance.

e.g. Math.PI