Inner classes only as a part of the normal class such that there is no cyclic dependency if the two classes are extremely interlinked. And the functionality of one is closely related to the other. It is a compromise.

Lambda and streams for solid principles.

From the Function interface, the interface can be extended but the underlying is closed for modification.

3 variable reduce takes in a given combiner function.

Compile time java does not know what user is passing in.

Type is inferred in compilation time.

At runtime, type erasure erases all generics and typecasts it as a object