Functional Interface

- What is Functional Interface?
- What is Lambda Expression?
- How to use Functional Interface with Lambda expression
- Advantage of Functional Interface?
- Types of Functional Interface?
 - Consumer
 - Supplier
 - Function
 - Predicate
- How to handle use case when Functional Interface extends from other Interface(or Functional Interface)?

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What is Functional Interface:

- If an interface contains only 1 abstract method, that is known as Functional Interface.

✓Also know as SAM Interface (Single Abstract Method).

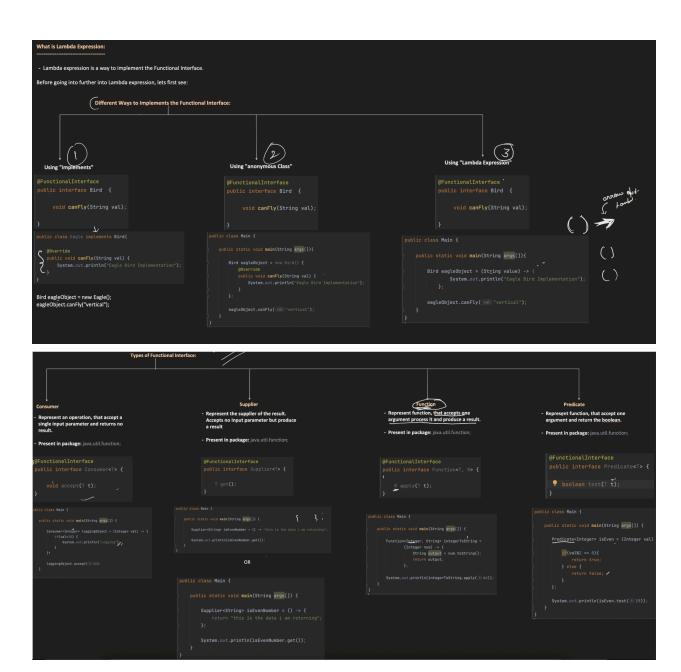
- @FunctionalInterface keyword can be used at top of the interface (But its optional).

```
@FunctionalInterface
public interface Bird {
    void canFly(String val);
}
```

OR

public interface Bird {
 void canFly(String val);
}





```
Jah.
landle use case when Functional Interface extends from other Interface:
Ise Case 1: Functional Interface extending Non Functional Interface
                                               public interface LivingThing {
 public interface LivingThing {
                                                   public interface Bird extends LivingThing {
                                          @FunctionalInterface
                                          public interface Bird extends LivingThing {
   void canFly(String val);
                                              void canFly(String val); ( Jut )
Use Case 2: Interface extending Functional Interface
    @FunctionalInterface 🕏
    public interface LivingThing {
         public boolean canBreathe(); ( )
 public interface Bird extends LivingThing {
         void canFly(String val);
```

