- 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)?

7

What is Functional Interface:

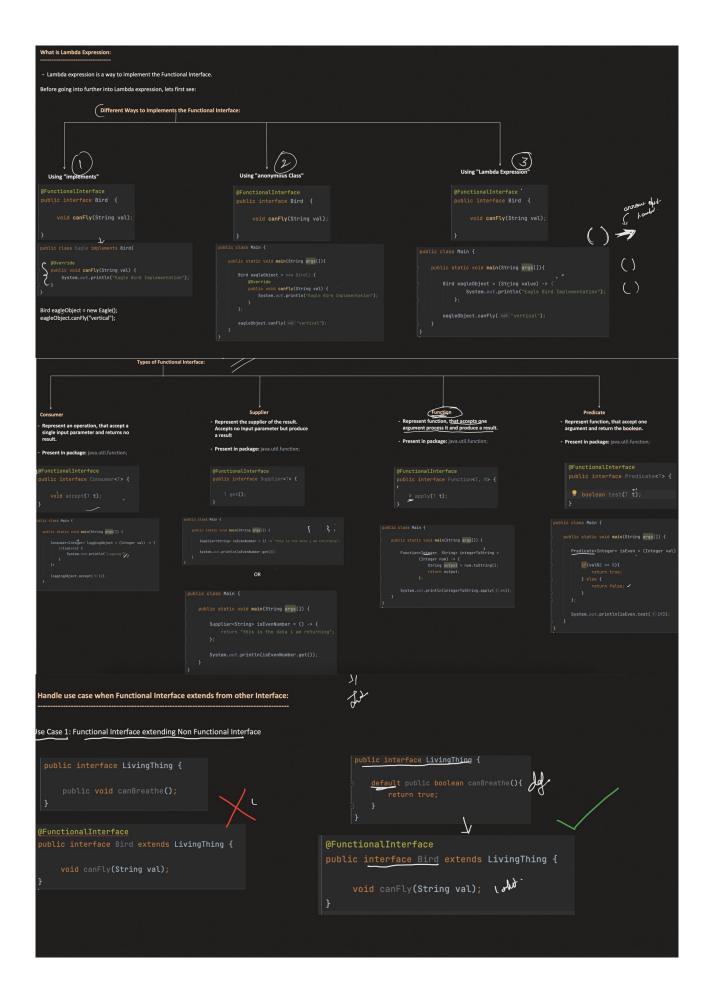
- @FunctionalInterface keyword can be used at top of the interface (But its optional).

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

OR

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

```
## Open Compilation From the C
```



```
Use Case 2: Interface extending Functional Interface

@FunctionalInterface public interface LivingThing {

public boolean canBreathe(); | decorate |
}

public interface Bird extends LivingThing {

void canFly(String val); | val)
}
```

```
Use Case 3: Functional Interface extending other Functional Interface

| QFunctionalInterface | public interface LivingThing {
| public boolean canBreathe(); | } |
| QFunctionalInterface | public interface LivingThing {
| public interface Bird extends LivingThing {
| void canFly(String val); | } |
| Public class Main {
| public static void main(String args()) {
| Bird mails = () > true; | System.out.println(eagle.comBreathe()); | } |
| Public class Main {
| public static void main(String args()) {
| Bird mails = () > true; | System.out.println(eagle.comBreathe()); | } |
| Public class Main {
| public static void main(String args()) {
| Bird mails = () > true; | System.out.println(eagle.comBreathe()); | } |
| Public class Main {
| public static void main(String args()) {
| Bird mails = () > true; | System.out.println(eagle.comBreathe()); | } |
| Public class Main {
| public static void main(String args()) {
| Bird mails = () > true; | System.out.println(eagle.comBreathe()); | } |
| Public class Main {
| public static void main(String args()) {
| Bird mails = () > true; | System.out.println(eagle.comBreathe()); | } |
| Public class Main {
| public class Main {
| public static void main(String args()) {
| Bird mails = () > true; | System.out.println(eagle.comBreathe()); | } |
| Public class Main {
| public static void main(String args()) {
| Bird mails = () > true; | System.out.println(eagle.comBreathe()); | } |
| Public static void main(String args()) {
| Bird mails = () > true; | System.out.println(eagle.comBreathe()); | } |
| Public static void main(String args()) {
| Public static void ma
```