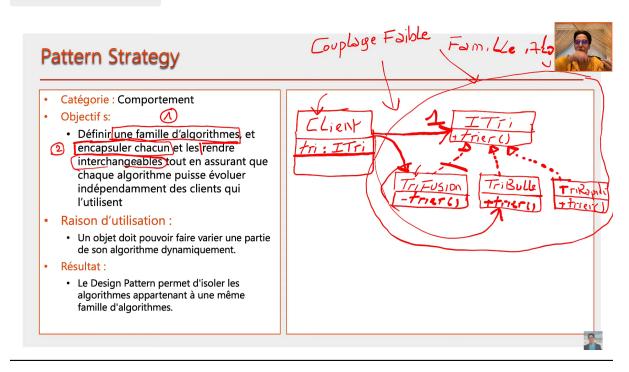
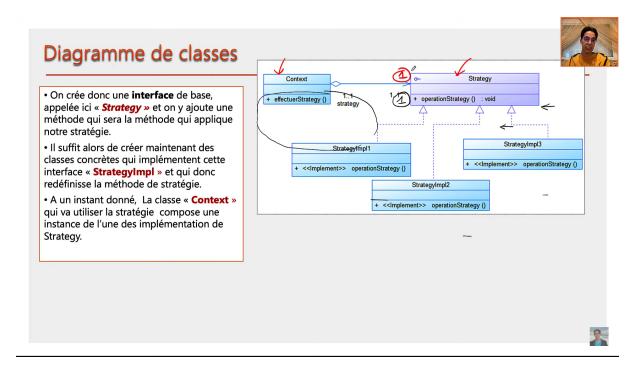


ZAKARIA ZIGHIGHI DP-Strategy

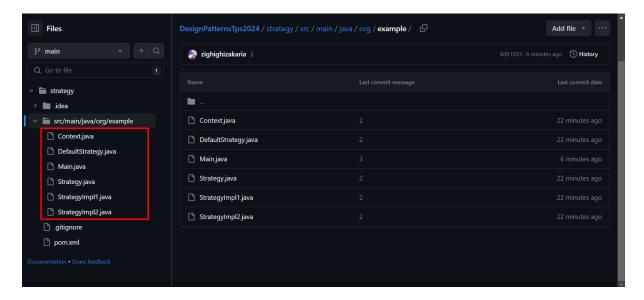
/Notes de cours



 \triangle : REMARQUE --RELATION 1 \rightarrow 1 + Une seule méthode dans l'interface



→ **IMPLEMENTATION**:



class Context

```
package org.example;

public class Context {

    private Strategy strategy=new DefaultStrategy();
    public void effectuerOperation(){
        System.out.println("*************");
        strategy.operationStrategy();
        System.out.println("-----");
    }
    public void setStrategy(Strategy strategy) {
        this.strategy = strategy;
    }
}
```

interface Strategy

```
package org.example;
public interface Strategy {
    void operationStrategy();
}
```

class StrategyImpl1

```
package org.example;

public class StrategyImpl1 implements Strategy {
    @Override
    public void operationStrategy() {
        System.out.println("////Strategy 1/////");
    }
}
```

```
}
```

class StrategyImpl2

```
package org.example;

public class StrategyImpl2 implements Strategy {
    @Override
    public void operationStrategy() {
        System.out.println("$$$$$$strategy 2$$$$$$");
    }
}
```

class DefaultStrategy

```
package org.example;

public class DefaultStrategy implements Strategy {
    @Override
    public void operationStrategy() {
        System.out.println("(((DEFAULT STRATEGY)))");
    }
}
```

class Main

```
package org.example;
import java.util.HashMap;
import java.util.Map;
import java.util.Scanner;
public class Main {
   public static void main(String[] args) throws Exception {
        Context context = new Context();
        Scanner scanner = new Scanner(System.in);
        Map<String, Strategy> strategyMap=new HashMap<>();
        Strategy strategy;
        while (true){
            System.out.println("Quelle stratégie");
            String str = scanner.nextLine();
            strategy=strategyMap.get(str);
            if(strategy==null){
               System.out.println("Creation nv obj de StrategyImpl"+str);
                 strategy = (Strategy) Class.forName("org.example.StrategyImpl"+str).getConstructor().newInstance();
                 strategyMap.put(str, strategy);
            context.setStrategy(strategy);
            context.effectuerOperation();
```

→ Exécution :

