```
class Calculator {
                                         class LoggingStaticPointcut extends
                                                                                                     class LoggingAdvice implements MethodInterceptor {
                                         StaticMethodMatcherPointcut {
                                                                                                        public Object invoke(MethodInvocation invocation) {
   int add(int a, int b) {
                                                                                                           String methodName = null;
                                           public boolean matches(Method method, Class<?>
      sop("in add()");
                                                                                                           Object[] args = null;
      return a + b;
                                         classType) {
                                              if(classType.isAssignableForm(Calculator.class)) {
                                                 if(method.getName().equals("add") ||
                                                                                                           methodName = invocation.getMethod().getName();
   int substract(int a, int b) {
                                         method.getName().equals("multiply")) {
      sop("in substract()");
                                                                                                           args = invocation.getArguments();
                                                                                                           if(methodName.equals("add") || methodName.equals("multiply")) {
      return b-a;
                                                    return true;
                                                                                                              sop("entered into " + methodName+"(" + args[0]+","+args[1]+")");
                                                                                                              Object ret = invocation.proceed();
   int multiply(int a, int b) {
      sop("in multiply()");
                                              return false;
                                                                                                              sop("exiting from " + methodName + " with ret: "+ ret);
      return a * b;
                                                                                                           }else {
                                                                                                              ret = invocation.proceed();
                                             [TARGET]
                                                                                      Advisor
                                                                                                           return ret;
                                                                           ProxyFactory pf = new ProxyFactory();
class CacheAdvice implements MethodInterceptor {
  public Object invoke(MethodInvocation invocation) {
                                                                                         getProxy();
    // check the data exists in cache
                                                                                          class Calcuator$Proxy extends Calculator {
    return ret;
                                                                                            int add(int a, int b) {
                                                                     Advisor
                                                                                              // invoking the invoke() method on loggingAdvice
                                                                                              return ret;
                                                                                            int multiply(int a, int b) {
class CacheStaticPointcut extends StaticMethodMatcherPointcut
                                                                                            // invoking the invoke() method of loggingAdvice
  public boolean matches(Method method, Class<?> classType) {
                                                                                             return ret;
     if(classType.isAssignablePorm(Calculator.class)) {
        if(method.getName().equals("substract")) {
           return true;
     return false;
                                                                                proxy.add(10, 20);
                                                                                 proxy.substract(10,20);
```