```
public static void main(String[] args) {
        ClassPool pool = ClassPool.getDefault();
        boolean useRuntimeClass = true;
        if (useRuntimeClass) {
            ClassClassPath classPath = new ClassClassPath(new Rectangle().getClass());
            pool.insertClassPath(classPath);
        } else {
           String strClassPath = workDir + "\\bin";
            pool.insertClassPath(strClassPath);
        CtClass cc = pool.get("target.Rectangle");
        cc.setSuperclass(pool.get("Target.Point"));
        cc.writeFile(outputDir);
        CtClass cc = pool.makeClass("Point2");
        CtClass cc = pool.makeInterface("IPoint");
        ccInterface.writeFile(outputDir);
       CtMethod m = cc.getDeclaredMethod("say");
       m.insertBefore("{ System.out.println(\"Hello.say:\"); }");
        Class<?> c = cc.toClass();
        Hello h = (Hello) c.newInstance();
        h.say();
        Loader cl = new Loader(cp);
        CtClass cc = cp.get(TARGET_RECTANGLE);
        cc.setSuperclass(cp.get(TARGET_POINT));
        Class<?> c = cl.loadClass(TARGET_RECTANGLE);
        Object rect = c.newInstance();
        System.out.println("[DBG] rect object: " + rect);
        Class<?> rectClass = rect.getClass();
        Method m = rectClass.getDeclaredMethod("getVal", new Class[] {});
        SampleLoader s = new SampleLoader();//constr: pool = new
ClassPool();pool.insertClassPath(inputDir); // MyApp.class must be there.
        Class<?> c = s.loadClass("MyApp");
        c.getDeclaredMethod("main", new Class[] { String[].class }).invoke(null, new
Object[] { args });
        CtClass cc = pool.get(name);
         / modify the CtClass object here
        if (name.equals("MyApp")) {
           CtField f = new CtField(CtClass.intType, "hiddenValue", cc);
            f.setModifiers(Modifier.PUBLIC);
            cc.addField(f);
        byte[] b = cc.toBytecode();
        return defineClass(name, b, 0, b.length);
        CtMethod m = cc.getDeclaredMethod("move");
        m.insertBefore("{ System.out.println(\"[DBG] param1: \" + $1); " + //
                "System.out.println(\"[DBG] param2: \" + $2); }");
        cc.writeFile(outputDir);
        ClassPool defaultPool = ClassPool.getDefault();
        defaultPool.insertClassPath(INPUT_PATH);
        CtClass cc = defaultPool.get(TARGET_MYAPP);
        CtMethod m = cc.getDeclaredMethod(FACT_METHOD);
        m.useCflow(FACT_METHOD);
        m.insertBefore("if ($cflow(fact) == 0)" + System.lineSeparator() + //
                "System.out.println(\"[MyAppFact Inserted] fact \" + $1);");
        cc.writeFile(OUTPUT_PATH);
        InsertMethodBodyCflow s = new InsertMethodBodyCflow();//pool = new
ClassPool();pool.insertClassPath(OUTPUT_PATH); // TARGET must be there.
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Class<?> c = s.loadClass(TARGET_MYAPP);
        Method mainMethod = c.getDeclaredMethod("main", new Class[] { String[].class
});
        mainMethod.invoke(null, new Object[] { args });
        //findClass method:cc = pool.get(name);byte[] b = cc.toBytecode();return
defineClass(name, b, 0, b.length);
        SubstituteMethodBody s = new SubstituteMethodBody();// pool = new
ClassPool(); pool.insertClassPath(new ClassClassPath(new
java.lang.Object().getClass()));pool.insertClassPath(INPUT_PATH); // "target" must be
there.
        Class<?> c = s.loadClass(TARGET_MY_APP);
        Method mainMethod = c.getDeclaredMethod("main", new Class[] { String[].class
});
       mainMethod.invoke(null, new Object[] { args });
        cc = pool.get(name);
        cc.instrument(new ExprEditor() {
            public void edit(MethodCall m) throws CannotCompileException {
        byte[] b = cc.toBytecode();
         return defineClass(name, b, 0, b.length);
            FieldAcess s = new FieldAcess(); //pool = new
ClassPool(); pool.insertClassPath(new ClassClassPath(new
java.lang.Object().getClass()));pool.insertClassPath(INPUT_PATH); // TARGET must be
there.
            Class<?> c = s.loadClass(TARGET_MY_APP);
            Method mainMethod = c.getDeclaredMethod("main", new Class[] {
String[].class });
           mainMethod.invoke(null, new Object[] { args });
            NewExprAccess s = new NewExprAccess();
            Class<?> c = s.loadClass(TARGET_MY_APP2);
            Method mainMethod = c.getDeclaredMethod("main", new Class[] {
String[].class });
      mainMethod.invoke(null, new Object[] { args });
            cc = pool.get(name);
         cc.instrument(new ExprEditor() {
                public void edit(NewExpr newExpr) throws CannotCompileException {
                StringBuilder code = new StringBuilder();
                code.append("\"y: \" + " + "$_.y); \n }\n");
                // System.out.println(code);
                newExpr.replace(code.toString());
        String src = "public void xmove(int dx) { x += dx; }";
        CtMethod newMethod = CtNewMethod.make(src, cc);
        cc.addMethod(newMethod);
        cc.writeFile(outputDir);
        CtMethod newMethod = CtNewMethod.make(src, cc, "this", "move");
        cc.addMethod(newMethod);
        cc.writeFile(outputDir);
        ClassPool pool = ClassPool.getDefault();
        pool.insertClassPath(inputDir);
        CtMethod newMethod = new CtMethod(CtClass.intType, "move", new CtClass[] {
CtClass.intType }, cc);
        cc.addMethod(newMethod);
        newMethod.setBody("{ x += $1; return x;}");
        cc.setModifiers(cc.getModifiers() & ~Modifier.ABSTRACT);
        cc.writeFile(outputDir);
```