

entry

```
@LfeatureHouse/FeatureAnnotation;(
[name="featureSwitch"]
)
@LfeatureHouse/FeatureSwitchID;(
[id=27, , thenFeature="verify" , , elseFeature="featureSwitch"]
)
L0
LINENUMBER 39 L0
LDC "957539bd-e242-458a-9a4d-9cf0b6d2e0d6"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
NEW java/lang/StringBuilder
DUP
INVOKESPECIAL java/lang/StringBuilder.<init> ()V
LDC "ID: "
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
ALOAD 0
INVOKEVIRTUAL family/EmailSystem/Email.getId ()I
INVOKEVIRTUAL java/lang/StringBuilder.append (I)Ljava/lang/StringBuilder;
INVOKEVIRTUAL java/lang/StringBuilder.toString ()Ljava/lang/String;
INVOKESTATIC family/EmailSystem/Util.prompt (Ljava/lang/String;)V
L1
LINENUMBER 40 L1
NEW java/lang/StringBuilder
DUP
INVOKESPECIAL java/lang/StringBuilder.<init> ()V
LDC "FROM: "
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
ALOAD 0
INVOKEVIRTUAL family/EmailSystem/Email.getEmailFrom ()Lfamily/EmailSystem/Client;
INVOKEVIRTUAL family/EmailSystem/Client.getId ()I
INVOKEVIRTUAL java/lang/StringBuilder.append (I)Ljava/lang/StringBuilder;
INVOKEVIRTUAL java/lang/StringBuilder.toString ()Ljava/lang/String;
INVOKESTATIC family/EmailSystem/Util.prompt (Ljava/lang/String;)V
L2
LINENUMBER 41 L2
NEW java/lang/StringBuilder
DUP
INVOKESPECIAL java/lang/StringBuilder.<init> ()V
LDC "TO: "
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
ALOAD 0
INVOKEVIRTUAL family/EmailSystem/Email.getEmailTo ()Ljava/lang/String;
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
INVOKEVIRTUAL java/lang/StringBuilder.toString ()Ljava/lang/String;
INVOKESTATIC family/EmailSystem/Util.prompt (Ljava/lang/String;)V
L3
LINENUMBER 42 L3
NEW java/lang/StringBuilder
DUP
INVOKESPECIAL java/lang/StringBuilder.<init> ()V
LDC "SUBJECT: "
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
ALOAD 0
INVOKEVIRTUAL family/EmailSystem/Email.getEmailSubject ()Ljava/lang/String;
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
INVOKEVIRTUAL java/lang/StringBuilder.toString ()Ljava/lang/String;
INVOKESTATIC family/EmailSystem/Util.prompt (Ljava/lang/String;)V
L4
LINENUMBER 43 L4
NEW java/lang/StringBuilder
DUP
INVOKESPECIAL java/lang/StringBuilder.<init> ()V
LDC "IS_READABLE "
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
ALOAD 0
INVOKEVIRTUAL family/EmailSystem/Email.isReadable ()Z
INVOKEVIRTUAL java/lang/StringBuilder.append (Z)Ljava/lang/StringBuilder;
INVOKEVIRTUAL java/lang/StringBuilder.toString ()Ljava/lang/String;
INVOKESTATIC family/EmailSystem/Util.prompt (Ljava/lang/String;)V
L5
LINENUMBER 44 L5
NEW java/lang/StringBuilder
DUP
INVOKESPECIAL java/lang/StringBuilder.<init> ()V
LDC "BODY: "
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
ALOAD 0
INVOKEVIRTUAL family/EmailSystem/Email.getEmailBody ()Ljava/lang/String;
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
```

```
INVOKEVIRTUAL java/lang/StringBuilder.toString ()Ljava/lang/String;
INVOKESTATIC family/EmailSystem/Util.prompt (Ljava/lang/String;)V
L6
LINENUMBER 46 L6
GETSTATIC family/PL_Interface_impl.ENCRYPT : Z
IFEQ L7
L8
LINENUMBER 47 L8
NEW java/lang/StringBuilder
DUP
INVOKESPECIAL java/lang/StringBuilder.<init> ()V
LDC "ENCRYPTED "
```

```
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
ALOAD 0
INVOKEVIRTUAL family/EmailSystem/Email.isEncrypted ()Z
INVOKEVIRTUAL java/lang/StringBuilder.append (Z)Ljava/lang/StringBuilder;
INVOKEVIRTUAL java/lang/StringBuilder.toString ()Ljava/lang/String;
INVOKESTATIC family/EmailSystem/Util.prompt (Ljava/lang/String;)V
L7
LINENUMBER 51 L7
FRAME SAME
```

```
LDC "957539bd-e242-458a-9a4d-9cf0b6d2e0d6"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
LDC "20391f87-b88f-46b8-8917-77bf7fd47cf2"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
GETSTATIC family/PL_Interface_impl.SIGN : Z
IFEQ L9
L10
LINENUMBER 52 L10
NEW java/lang/StringBuilder
DUP
INVOKESPECIAL java/lang/StringBuilder.<init> ()V
LDC "SIGNED "
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
ALOAD 0
INVOKEVIRTUAL family/EmailSystem/Email.isSigned ()Z
INVOKEVIRTUAL java/lang/StringBuilder.append (Z)Ljava/lang/StringBuilder;
INVOKEVIRTUAL java/lang/StringBuilder.toString ()Ljava/lang/String;
INVOKESTATIC family/EmailSystem/Util.prompt (Ljava/lang/String;)V
L11
LINENUMBER 53 L11
NEW java/lang/StringBuilder
DUP
INVOKESPECIAL java/lang/StringBuilder.<init> ()V
LDC "SIGNATURE "
```

```
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
ALOAD 0
INVOKEVIRTUAL family/EmailSystem/Email.getEmailSignKey ()I
INVOKEVIRTUAL java/lang/StringBuilder.append (I)Ljava/lang/StringBuilder;
INVOKEVIRTUAL java/lang/StringBuilder.toString ()Ljava/lang/String;
INVOKESTATIC family/EmailSystem/Util.prompt (Ljava/lang/String;)V
L9
```

```
LINENUMBER 56 L9
FRAME SAME
LDC "7a3b119a-2db6-417e-a58b-09358deadedd"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
GETSTATIC family/PL_Interface_impl.VERIFY : Z
IFEQ L12
L13
LINENUMBER 57 L13
NEW java/lang/StringBuilder
DUP
INVOKESPECIAL java/lang/StringBuilder.<init> ()V
LDC "SIGNATURE VERIFIED "
```

```
INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder;
ALOAD 0
INVOKEVIRTUAL family/EmailSystem/Email.isSignatureVerified ()Z
INVOKEVIRTUAL java/lang/StringBuilder.append (Z)Ljava/lang/StringBuilder;
INVOKEVIRTUAL java/lang/StringBuilder.toString ()Ljava/lang/String;
INVOKESTATIC family/EmailSystem/Util.prompt (Ljava/lang/String;)V
L12
LINENUMBER 59 L12
FRAME SAME
```

exit