```
// 1. File write and read
def file = new File("myname.txt")
file.write("Vaishu")
println file.text
// 2. Try-Catch-Finally for divide-by-zero and file-not-found
try {
  def result = 10 / 0 // Intentional divide by zero
} catch (ArithmeticException e) {
  println "Error: Divide by zero"
} finally {
  println "Division block finished"
}
try {
  def missingFile = new File("no_such_file.txt")
  println missingFile.text
} catch (FileNotFoundException e) {
  println "Error: File not found"
} finally {
  println "File reading block finished"
}
// 3. methodMissing and propertyMissing example
class MyClass {
  def knownProperty = "I'm known"
  def methodMissing(String name, args) {
    println "Method ${name} is not defined"
 }
```

```
def propertyMissing(String name) {
   println "Property '${name}' not found, returning default."
   return "undefined"
 }
}
def obj = new MyClass()
obj.unknownMethod()
println obj.unknownProperty
// 4. Metaprogramming: Dynamically add property
class DynamicBean {}
def dynamicObj = new DynamicBean()
dynamicObj.metaClass.dynamicProp = "I was added at runtime"
println dynamicObj.dynamicProp
// Dynamically add a method
dynamicObj.metaClass.sayHello = { println "Hello from a dynamic method!" }
dynamicObj.sayHello()
```