lab-report5

Lab Report 5

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code block of grade.sh

```
# Create your grading script here
# Clone the repository of the student submission to a well-known directory name
rm -rf student-submission
git clone $1 student-submission
GRADE="0"
cd student-submission
# Check that the student code has the correct file submitted.
if [ -f "ListExamples.java" ]
then
    echo "the correct file is found"
else
    echo "the file is missing"
    echo "Grade is" $GRADE
    exit 1
fi
# Somehow get the student code and your test .java file into the same directory
mkdir testdir
cp -r ../lib testdir/
cp ../TestListExamples.java testdir/
cp ListExamples.java testdir/
cd testdir
javac -cp .:lib/hamcrest-core-1.3.jar:lib/junit-4.13.2.jar *.java

# If the compilation fails, detect and give helpful feedback about it.
if [ $? -eq 00 ]
then
    echo "compilation succeeded"
else
    echo "compilation failed"
    echo "Grade is" $GRADE
    exit 1
fi
```

```
if [ $? -eq 00 ]
then
    GRADE=2
    echo "Grade is" $GRADE
else
    echo "Grade is" $GRADE
fi
```

Submission of repository with compile error

localhost:4000/grade?repo=https://github.com/ucsd-cse15l-f22/list-methods-compile-error

```
Cloning into 'student-submission'...
the correct file is found
ListExamples.java:15: error: ';' expected
        result.add(0, s)
                        ^
1 error
compilation failed
Grade is 0
```

Submission of repository with wrong order of filter arguments

localhost:4000/grade?repo=https://github.com/ucsd-cse15l-f22/list-methods-signature

```
Cloning into 'student-submission'...
the correct file is found
TestListExamples.java:19: error: StringChecker is abstract; cannot be instantiated
    StringChecker sc = new StringChecker();
                       ^
TestListExamples.java:28: error: incompatible types: String[] cannot be converted to StringChecker
    assertEquals(resultlist, ListExamples.filter(input1,sc));
                                                        ^
Note: Some messages have been simplified; recompile with -Xdiags:verbose to get full output
2 errors
compilation failed
Grade is 0
```

Submission of repository with wrong file name

1. The original student submission file was removed. Then, the repository, https://github.com/ucsd-cse15l-f22/list-methods-filename , is cloned. The cloned repository is now the current directory. All of these were successfully processed with return code 0.

2. The condition was false for the first if statement because ListExamples.java doesn't exit. Therefore, "the file is missing" and "Grade is" $GRADE" are echoed. With exit code 1, early exit happens and all the other lines are not ran.