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First Exercice :

a)

**for JUnit**

1 ) changedfiles.count() : 116

2 ) changedfiles.top

/cvsroot/junit/junit/doc/faq/faq.htm

31

/cvsroot/junit/junit/junit/textui/TestRunner.java

23

/cvsroot/junit/junit/junit/framework/Assert.java

22

/cvsroot/junit/junit/junit/swingui/TestRunner.java

21

/cvsroot/junit/junit/junit/framework/TestCase.java

19

3 ) 1 2 3 5 10

9 13 32 6 2

4) 1 2 3 4 5 6 7 8 9 10

32 67 16 1 0 0 0 0 0 0

**for Jikes**

1 ) changedfiles.count() : [1] 194

2 ) changedfiles.top

/cvsroot/jikes/jikes/ChangeLog /cvsroot/jikes/jikes/src/expr.cpp

706 226

/cvsroot/jikes/jikes/src/bytecode.cpp /cvsroot/jikes/jikes/src/error.cpp

212 185

/cvsroot/jikes/jikes/src/decl.cpp

178

3 ) 1 2 3 5 10

5 13 19 3 4

4) 1 2 3 4 5 6 7 8 9 10

29 41 30 36 21 24 13 0 0 0

**for Zile**

1 ) changedfiles.count() : [1] 200

2 ) changedfiles.top

/cvsroot/zile/zile/src/extern.h /cvsroot/zile/zile/src/main.c

106 98

/cvsroot/zile/zile/src/funcs.c /cvsroot/zile/zile/src/file.c

94 82

/cvsroot/zile/zile/src/term\_termcap.c

76

3 ) 1 2 3 5 10

5 25 26 12 3

4) 1 2 3 4 5 6 7 8 9 10

77 64 59 0 0 0 0 0 0 0

(typeof “nothing” means that no file extensions has been founded)

b) for JUNIT

1) *filetypes.changes.total*

css=2

gif=19

htm=51

html=16

jar=3

java=511

properties=6

2) *filetypes.changes.mean*

css gif htm html jar

2 19 51 16 3

java properties txt xml

511 6 2 13

3 ) *filetype.table*

css gif htm html jar java properties txt xml

mean "2" "19" "51" "16" "3" "511" "6" "2" "13"

number "1" "6" "5" "5" "1" "95" "1" "1" "1"

min "2" "3" "3" "1" "3" "1" "6" "2" "13"

max "2" "4" "31" "11" "3" "23" "6" "2" "13"

**for Jikes**

1) *filetypes.changes.total*

1 ac am cpp cvsignore g guess

53 20 40 2742 11 77 23

h hand htm html in java

1785 6 58 26 260 16

m4 **nothing** sh spec sub txt

230 1194 13 40 23 5

2) *filetypes.changes.mean*

1 ac am cpp cvsignore g guess

53 20 40 2742 11 77 23

h hand htm html in java

1785 6 58 26 260 16

m4 **nothing** sh spec sub txt

230 1194 13 40 23 5

3 ) *filetype.table*

|  |
| --- |
| 1 ac am cpp cvsignore g guess h hand htm html in java m4 nothing sh spec sub txt  mean "53" "20" "40" "2742" "11" "77" "23" "1785" "6" "58" "26" "260" "16" "230" "1194" "13" "40" "23" "5"  number"3" "1" "3" "46" "3" "1" "2" "53" "1" "6" "8" "6" "1" "26" "26" "2" "2" "2" "2"  min "6" "20" "4" "3" "1" "77" "2" "2" "6" "1" "2" "4" "16" "2" "1" "2" "8" "2" "2"  max 35" "20" "28" "226" "7" "77" "21" "131" "6" "23" "6" "83" "16" "36" "706" "11" "32" "21" "3" |
|  |
| |  | | --- | | > | |

**for Zile**

1) *filetypes.changes.total*

1 3 ac am c compile cvsignore el

9 21 67 95 1473 3 34 6

epoc gperf h in info lnk lsm

3 10 404 48 8 2 14

nothing output pkg ps sample sh tex

222 6 9 2 22 8 7

texi txt m4

44 1 6

2) *filetypes.changes.mean*

I got the same result as 1 ) *filetypes.changes.total*

3)

The table is too long , so I took a screen shot of it .

Run the last two lines if you want to execute it , (it’ s called finaltable)

