```
entry
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L0
LINENUMBER 22 L0
LDC "b9d60924-9573-4fb1-b339-28123e3d00f8"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V
INVOKESTATIC java/lang/System.nanoTime ()J
LSTORE 1
L1
LINENUMBER 23 L1
GETSTATIC java/lang/System.out : Ljava/io/PrintStream;
LDC "Instrumented"
INVOKEVIRTUAL java/io/PrintStream.println (Ljava/lang/String;)V
L2
LINENUMBER 24 L2
INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Sink.init ()V
L3
LINENUMBER 26 L3
LDC 1500
INVOKESTATIC java/lang/Thread.sleep (J)V
L4
LINENUMBER 28 L4
ALOAD 0
ICONST_0
AALOAD
INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean;
INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z
INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Source.getIsIgnoreCase (Z)Z
PUTSTATIC org/unix4j/grep/Main.ISIGNORECASE : Z
L5
LINENUMBER 29 L5
ALOAD 0
ICONST_1
AALOAD
INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean;
INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z
INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Source.getIsInvertMatch (Z)Z
PUTSTATIC org/unix4j/grep/Main.ISINVERTMATCH : Z
L6
LINENUMBER 30 L6
ALOAD 0
ICONST_2
AALOAD
INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean;
INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z
INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Source.getIsFixedStrings (Z)Z
PUTSTATIC org/unix4j/grep/Main.ISFIXEDSTRINGS : Z
L7
LINENUMBER 31 L7
ALOAD 0
ICONST_3
AALOAD
INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean;
INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z
INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Source.getIsLineNumber (Z)Z
PUTSTATIC org/unix4j/grep/Main.ISLINENUMBER : Z
L8
LINENUMBER 32 L8
ALOAD 0
ICONST_4
AALOAD
INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean;
INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z
INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Source.getIsCount (Z)Z
PUTSTATIC org/unix4j/grep/Main.ISCOUNT : Z
L9
LINENUMBER 33 L9
ALOAD 0
ICONST_5
AALOAD
INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean;
INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z
INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Source.getIsMatchingFiles (Z)Z
PUTSTATIC org/unix4j/grep/Main.ISMATCHINGFILES : Z
L10
LINENUMBER 34 L10
ALOAD 0
BIPUSH 6
AALOAD
INVOKESTATIC java/lang/Boolean.valueOf (Ljava/lang/String;)Ljava/lang/Boolean;
INVOKEVIRTUAL java/lang/Boolean.booleanValue ()Z
INVOKESTATIC edu/cmu/cs/mvelezce/analysis/option/Source.getIsWholeLine (Z)Z
PUTSTATIC org/unix4j/grep/Main.ISWHOLELINE : Z
L11
LINENUMBER 44 L11
GETSTATIC org/unix4j/grep/Main.ISIGNORECASE : Z
ISTORE 3
L12
LINENUMBER 45 L12
GETSTATIC org/unix4j/grep/Main.ISINVERTMATCH : Z
ISTORE 4
L13
LINENUMBER 46 L13
GETSTATIC org/unix4j/grep/Main.ISFIXEDSTRINGS : Z
ISTORE 5
L14
LINENUMBER 47 L14
GETSTATIC org/unix4j/grep/Main.ISLINENUMBER : Z
ISTORE 6
L15
LINENUMBER 48 L15
GETSTATIC org/unix4j/grep/Main.ISCOUNT : Z
ISTORE 7
L16
LINENUMBER 49 L16
GETSTATIC org/unix4j/grep/Main.ISMATCHINGFILES : Z
ISTORE 8
L17
LINENUMBER 50 L17
GETSTATIC org/unix4j/grep/Main.ISWHOLELINE : Z
ISTORE 9
L18
LINENUMBER 80 L18
LDC "A.*C.*I.*K.*L.*W"
ASTORE 10
L19
LINENUMBER 83 L19
NEW org/unix4j/grep/unix/grep/GrepArguments
DUP
ILOAD 3
ILOAD 4
ILOAD 5
ILOAD 6
ILOAD 7
ILOAD 8
ILOAD 9
INVOKESPECIAL org/unix4j/grep/unix/grep/GrepArguments.<init> (ZZZZZZZ)V
ASTORE 11
L20
LINENUMBER 85 L20
ALOAD 11
ALOAD 10
INVOKEVIRTUAL org/unix4j/grep/unix/grep/GrepArguments.setRegexp (Ljava/lang/String;)V
L21
LINENUMBER 86 L21
ALOAD 11
ICONST_1
ANEWARRAY java/lang/String
DUP
ICONST_0
LDC "/Users/mvelezce/Documents/Programming/Java/Projects/performance-mapper-evaluation/original/grep/files/*.txt"
AASTORE
INVOKEVIRTUAL org/unix4j/grep/unix/grep/GrepArguments.setPaths ([Ljava/lang/String;)V
L22
LINENUMBER 87 L22
NEW org/unix4j/grep/unix/grep/GrepCommand
DUP
ALOAD 11
INVOKESPECIAL org/unix4j/grep/unix/grep/GrepCommand.<init> (Lorg/unix4j/grep/unix/grep/GrepArguments;)V
ASTORE 12
L23
LINENUMBER 89 L23
NEW org/unix4j/grep/context/DefaultExecutionContext
DUP
INVOKESPECIAL org/unix4j/grep/context/DefaultExecutionContext.<init> ()V
ASTORE 13
L24
LINENUMBER 91 L24
NEW org/unix4j/grep/io/StdOutput
DUP
INVOKESPECIAL org/unix4j/grep/io/StdOutput.<init> ()V
ASTORE 14
L25
LINENUMBER 92 L25
ALOAD 12
ALOAD 13
ALOAD 14
INVOKEVIRTUAL org/unix4j/grep/unix/grep/GrepCommand.execute (Lorg/unix4j/grep/context/ExecutionContext;Lorg/unix4j/grep/processor/LineProcessor;)Lorg/unix4j/grep/processor/LineProcessor;
ASTORE 15
L26
LINENUMBER 94 L26
ALOAD 15
INVOKEINTERFACE org/unix4j/grep/processor/LineProcessor.finish ()V
L27
LINENUMBER 96 L27
INVOKESTATIC java/lang/System.nanoTime ()J
LSTORE 16
L28
LINENUMBER 98 L28
GETSTATIC java/lang/System.out : Ljava/io/PrintStream;
LLOAD 16
LLOAD 1
LSUB
L2D
LDC 1.0E9
DDIV
INVOKEVIRTUAL java/io/PrintStream.println (D)V
L29
LINENUMBER 99 L29
LDC "b9d60924-9573-4fb1-b339-28123e3d00f8"
INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V
RETURN
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exit
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