Halstead Metrics Analysis Report for Supplement.java

File Name : Supplement.java

Operators:

Name	Count
package	1
public	1
class	1
void	2
int	11
while	2
if	6
else	4
break	1
return	1
+	7
--	1
.	1
;	15
/	1
>	4

==	6
=	11
{ }	82
( )	137
[ ]	25

Operands:

Name	Count
org	7
labsse	7
Supplement	6
{	82
Sort	6
(	137
iRecordNum	12
,	36
iType	18
)	137
x	24
0	55
y	24
2	18
1	36

10	12
20	12
}	82
Do	6
X	36
A	24
B	12
&&	7
||	6
countWithFlag	6
count	24
flag	18
temp	44
100	6
java	1
util	1
Scanner	3
HeapSort	4
[	25
]	25
heap	25
size	8

setHeap	2
setSize	2
length	8
swap	5
first	3
second	3
heapSubtree	7
rootIndex	7
lastChild	6
leftIndex	11
rightIndex	8
root	9
left	5
right	3
makeMinHeap	4
hasLeftChild	2
hasRightChild	2
getRoot	2
sort	2
sorted	5
index	3
min	2

getInput	2
numElements	3
6	1
unsorted	3
input	3
System	4
in	1
out	3
println	2
i	8
nextInt	1
close	1
printData	2
print	1
main	1
String	1
args	1
data	2

Values

No of Distinct Operators(n1)	320.0
No of Distinct Operands(n2)	1133.0
Total No of Operators(N1)	21.0

Total No of Operands(N2)	77.0
Program Length	98.0
Program Vocabulary	1453.0
Estimated Length	14158.358111578602
Purity Ratio	144.47304195488368
Volume	648.2415647232905
Difficulty	10.873786407766989
Program Effort	7048.840315437721
Programming Time	391.6022397465401