

Group 27: Git Set Go Pack

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GitHub Org

<https://github.com/gitsetgopack>

GitHub Repo for HW2

<https://github.com/gitsetgopack/hw2>

Static Analysis Traces – PyLint

Please note that the differences in the scores of the previous runs shown in the logs might not be accurate, since we have run the command many times, where some outputs are directed to stdout and some appended to the trace file.

```
***** Module hw2_debugging
src/hw2_debugging.py:5:0: C0325: Unnecessary parens after 'if' keyword (superfluous-
parens)
src/hw2_debugging.py:1:0: C0114: Missing module docstring (missing-module-docstring)
src/hw2_debugging.py:4:0: C0116: Missing function or method docstring (missing-function-
docstring)
```

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src/hw2_debugging.py:4:0: C0103: Function name "mergeSort" doesn't conform to snake_case
naming style (invalid-name)
src/hw2_debugging.py:4:14: W0621: Redefining name 'arr' from outer scope (line 34)
(redefined-outer-name)
src/hw2_debugging.py:13:0: C0116: Missing function or method docstring (missing-function-
docstring)
src/hw2_debugging.py:13:14: C0103: Argument name "leftArr" doesn't conform to snake_case
naming style (invalid-name)
src/hw2_debugging.py:13:23: C0103: Argument name "rightArr" doesn't conform to snake_case
naming style (invalid-name)
src/hw2_debugging.py:14:4: C0103: Variable name "leftIndex" doesn't conform to snake_case
naming style (invalid-name)
src/hw2_debugging.py:15:4: C0103: Variable name "rightIndex" doesn't conform to snake_case
naming style (invalid-name)
src/hw2_debugging.py:16:4: C0103: Variable name "mergeArr" doesn't conform to snake_case
naming style (invalid-name)
src/hw2_debugging.py:19:12: C0103: Variable name "rightIndex" doesn't conform to
snake_case naming style (invalid-name)
src/hw2_debugging.py:22:12: C0103: Variable name "leftIndex" doesn't conform to snake_case
naming style (invalid-name)
***** Module rand
src/rand.py:1:0: C0114: Missing module docstring (missing-module-docstring)
src/rand.py:4:0: C0116: Missing function or method docstring (missing-function-docstring)
src/rand.py:6:4: C0200: Consider using enumerate instead of iterating with range and len
(consider-using-enumerate)
src/rand.py:7:23: W1510: 'subprocess.run' used without explicitly defining the value for
'check'. (subprocess-run-check)

-----
Your code has been rated at 4.52/10 (previous run: 4.52/10, +0.00)

***** Module hw2_debugging
src/hw2_debugging.py:5:15: W0621: Redefining name 'arr' from outer scope (line 37)
(redefined-outer-name)
src/hw2_debugging.py:15:14: C0103: Argument name "leftArr" doesn't conform to snake_case
naming style (invalid-name)
src/hw2_debugging.py:15:23: C0103: Argument name "rightArr" doesn't conform to snake_case
naming style (invalid-name)
src/hw2_debugging.py:17:4: C0103: Variable name "leftIndex" doesn't conform to snake_case
naming style (invalid-name)
src/hw2_debugging.py:18:4: C0103: Variable name "rightIndex" doesn't conform to snake_case
naming style (invalid-name)
src/hw2_debugging.py:19:4: C0103: Variable name "mergeArr" doesn't conform to snake_case
naming style (invalid-name)
src/hw2_debugging.py:22:12: C0103: Variable name "rightIndex" doesn't conform to
snake_case naming style (invalid-name)
src/hw2_debugging.py:25:12: C0103: Variable name "leftIndex" doesn't conform to snake_case
naming style (invalid-name)
***** Module rand
src/rand.py:1:0: C0114: Missing module docstring (missing-module-docstring)
src/rand.py:4:0: C0116: Missing function or method docstring (missing-function-docstring)
src/rand.py:6:4: C0200: Consider using enumerate instead of iterating with range and len
(consider-using-enumerate)

```

```

src/rand.py:7:23: W1510: 'subprocess.run' used without explicitly defining the value for
'check'. (subprocess-run-check)

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Your code has been rated at 6.13/10 (previous run: 6.13/10, +0.00)

***** Module hw2_debugging
src/hw2_debugging.py:5:15: W0621: Redefining name 'arr' from outer scope (line 37)
(redefined-outer-name)
***** Module rand
src/rand.py:1:0: C0114: Missing module docstring (missing-module-docstring)
src/rand.py:4:0: C0116: Missing function or method docstring (missing-function-docstring)
src/rand.py:6:4: C0200: Consider using enumerate instead of iterating with range and len
(consider-using-enumerate)
src/rand.py:7:23: W1510: 'subprocess.run' used without explicitly defining the value for
'check'. (subprocess-run-check)

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Your code has been rated at 8.39/10 (previous run: 6.13/10, +2.26)

***** Module rand
src/rand.py:5:0: C0116: Missing function or method docstring (missing-function-docstring)
src/rand.py:7:4: C0200: Consider using enumerate instead of iterating with range and len
(consider-using-enumerate)
src/rand.py:8:23: W1510: 'subprocess.run' used without explicitly defining the value for
'check'. (subprocess-run-check)

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Your code has been rated at 9.03/10 (previous run: 8.71/10, +0.32)

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Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)

```

Static Analysis Traces – PyRight

```

/workspaces/hw2/src/hw2_debugging.py
/workspaces/hw2/src/hw2_debugging.py:24:13 - error: No overloads for "__setitem__" match
the provided arguments (reportCallIssue)
/workspaces/hw2/src/hw2_debugging.py:24:13 - error: Argument of type "int" cannot be
assigned to parameter "value" of type "None" in function "__setitem__"
"int" is not assignable to "None" (reportArgumentType)
/workspaces/hw2/src/hw2_debugging.py:27:13 - error: No overloads for "__setitem__" match
the provided arguments (reportCallIssue)
/workspaces/hw2/src/hw2_debugging.py:27:13 - error: Argument of type "int" cannot be
assigned to parameter "value" of type "None" in function "__setitem__"
"int" is not assignable to "None" (reportArgumentType)

```

```
/workspaces/hw2/src/hw2_debugging.py:31:9 - error: No overloads for "__setitem__" match
the provided arguments (reportCallIssue)
/workspaces/hw2/src/hw2_debugging.py:31:9 - error: Argument of type "int" cannot be
assigned to parameter "value" of type "None" in function "__setitem__"
    "int" is not assignable to "None" (reportArgumentType)
/workspaces/hw2/src/hw2_debugging.py:34:9 - error: No overloads for "__setitem__" match
the provided arguments (reportCallIssue)
/workspaces/hw2/src/hw2_debugging.py:34:9 - error: Argument of type "int" cannot be
assigned to parameter "value" of type "None" in function "__setitem__"
    "int" is not assignable to "None" (reportArgumentType)
/workspaces/hw2/src/hw2_debugging.py:36:12 - error: Type "list[None]" is not assignable
to return type "list[int]"
    "list[None]" is not assignable to "list[int]"
        Type parameter "_T@list" is invariant, but "None" is not the same as "int"
        Consider switching from "list" to "Sequence" which is covariant (reportReturnType)
9 errors, 0 warnings, 0 informations
0 errors, 0 warnings, 0 informations
```