

Checkstyle

Introduction

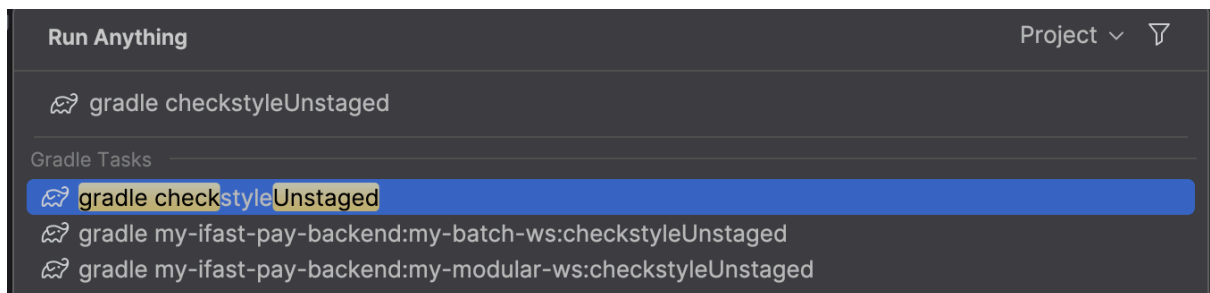
Run Checkstyle to align your code with the team's coding standards!

Checkstyle defines a set of style rules and checks your files against them. It will **warn you if your code violates any of these rules**. Currently, it is configured to run only against **Java files**.

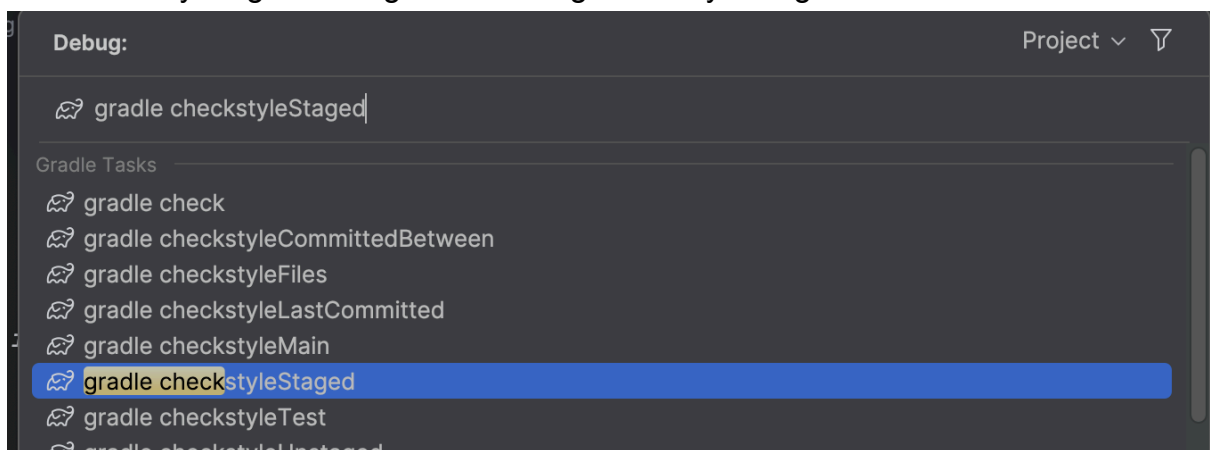
You can view the active rules in: `config/checkstyle/checkstyle.xml`

Run Checkstyle on Different States

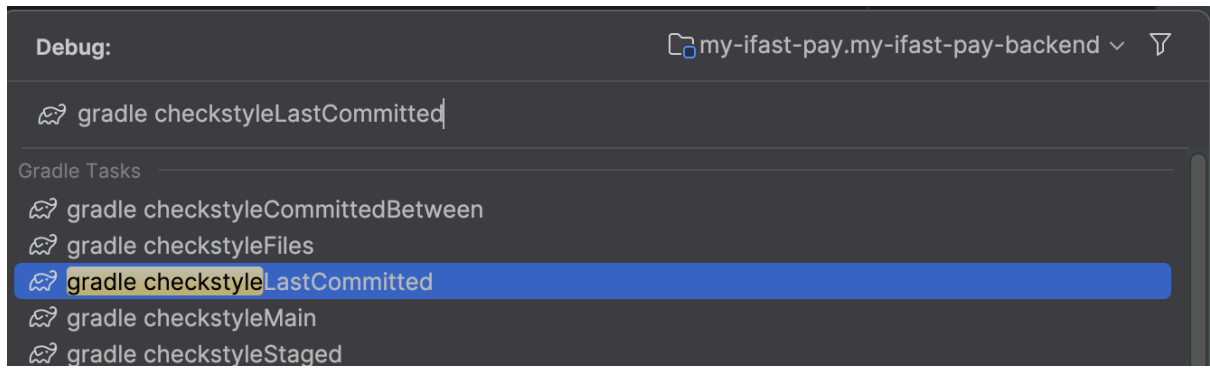
Run checkstyle against unstaged files using `checkstyleUnstaged`



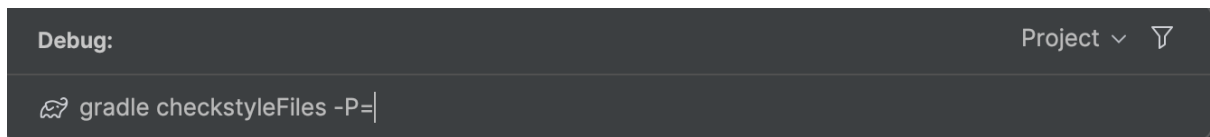
Run checkstyle against staged files using `checkstyleStaged`



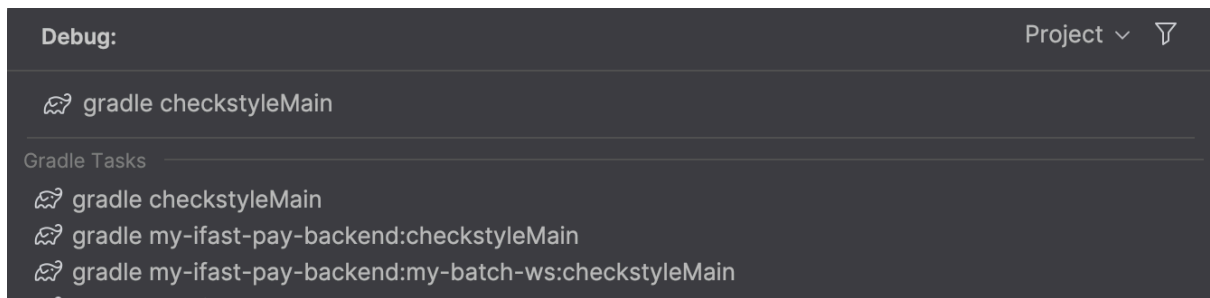
Run checkstyle against committed files using `checkstyleLastComitted`



(Rarely used for self-checking) Run checkstyle against specific files using checkstyleFiles - P=/path/to/your/java/file/1,/path/to/your/java/file/2.



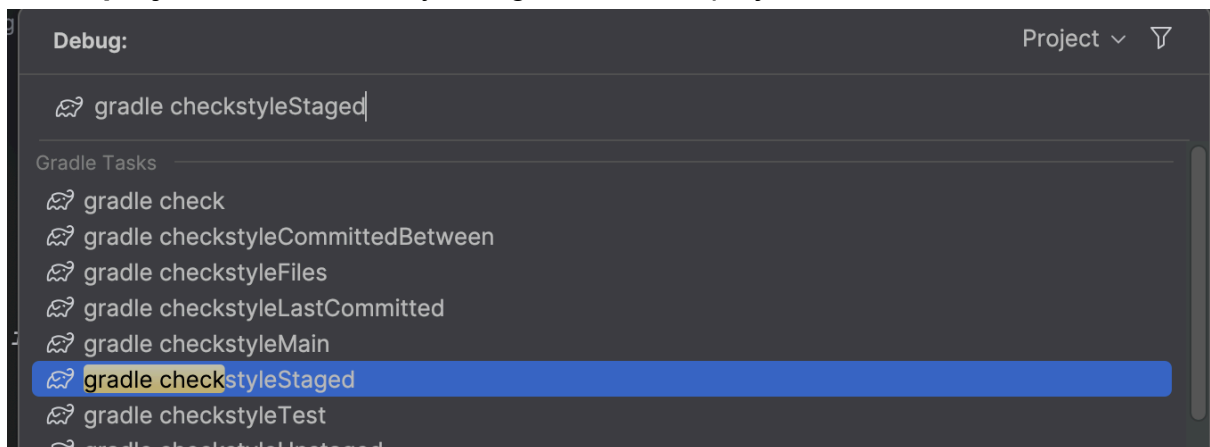
Run checkstyle against all files using checkstyleMain



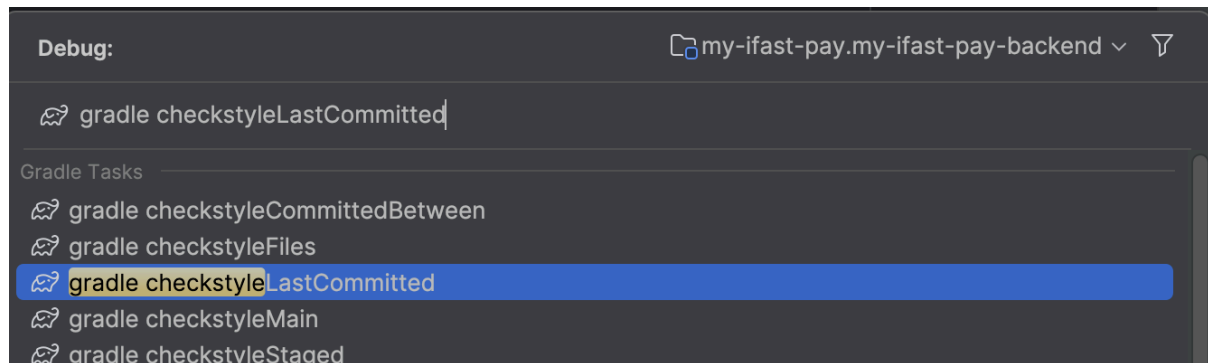
Run Checkstyle on Different Scopes

You can run Checkstyle at different project levels:

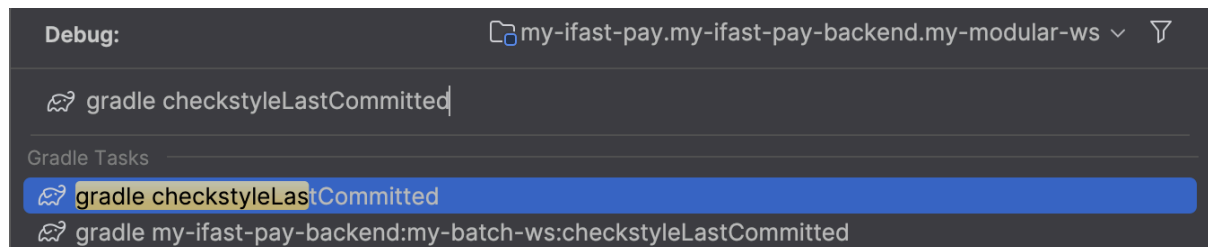
Entire project: Runs checkstyleStaged for all subprojects.



Targets specific subprojects. Example: Running `checkstyleLastCommitted` in `my-ifast-pay.my-ifast-pay-backend` will check `my-modular-ws` and `my-batch-ws`.



Single subproject: You can run Checkstyle against an individual module if needed.



Outputs

If no Java files are found, you'll see an output like:

```
> Task :my-ifast-pay-backend:my-modular-ws:checkstyleUnstaged SKIPPED
[checkstyleUnstaged] [:my-ifast-pay-backend:my-modular-ws] SKIPPED - No matching Java files in this module

> Task :my-ifast-pay-backend:util:checkstyleUnstaged SKIPPED
[checkstyleUnstaged] [:my-ifast-pay-backend:util] SKIPPED - No matching Java files in this module

> Task :my-ifast-pay-frontend:my-web-backoffice:checkstyleUnstaged SKIPPED
[checkstyleUnstaged] [:my-ifast-pay-frontend:my-web-backoffice] SKIPPED - No matching Java files in this module

> Task :my-ifast-pay-frontend:my-web-ifast-pay:checkstyleUnstaged SKIPPED
[checkstyleUnstaged] [:my-ifast-pay-frontend:my-web-ifast-pay] SKIPPED - No matching Java files in this module

> Task :my-ifast-pay-frontend:util:checkstyleUnstaged SKIPPED
[checkstyleUnstaged] [:my-ifast-pay-frontend:util] SKIPPED - No matching Java files in this module

> Task :my-ifast-pay-frontend:api-gateway:my-internal-api:checkstyleUnstaged SKIPPED
[checkstyleUnstaged] [:my-ifast-pay-frontend:api-gateway:my-internal-api] SKIPPED - No matching Java files in this module

> Task :my-ifast-pay-frontend:api-gateway:my-public-api:checkstyleUnstaged SKIPPED
[checkstyleUnstaged] [:my-ifast-pay-frontend:api-gateway:my-public-api] SKIPPED - No matching Java files in this module

> Task :my-ifast-pay-frontend:api-gateway:util:checkstyleUnstaged SKIPPED
[checkstyleUnstaged] [:my-ifast-pay-frontend:api-gateway:util] SKIPPED - No matching Java files in this module

BUILD SUCCESSFUL in 2s
2:11:29 pm: Execution finished 'checkstyleUnstaged'.
```

Otherwise, it will show errors:

file:///Users/ngzhiyang/Desktop/my-ifact-pay-audit-trail/my-ifact-pay-backend/util/build/repor

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