|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Query Parameters | Jenkinsfile  downloaded | Parseable  Jenkinsfile  (valid)\* |
| 1. | Jenkinsfile in:path  agent post in:file language:Groovy | 105 | **76** |
| 2. | Jenkinsfile in:path  agent post in:file language:Groovy | 120 | **84** |
| 3. | Jenkinsfile in:path agent post in:file size>5 language:Groovy | 120 | **53** |

# Q1 a.

\* This result is affected by the number of files Jenkins pipeline-model-definition api can parse (bottle neck issue).

# Q1 b.

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Query Parameters | Jenkinsfile  asked  for  (downloaded  can be less  than this  number) | Parseable  Jenkinsfile  (valid)\* |
| 1. | Jenkinsfile in:path  agent post in:file language:Groovy | 105 | **76** |
| 2. | Jenkinsfile in:path  agent post in:file language:Groovy | 120 | **84** |
| 3. | Jenkinsfile in:path agent post in:file size>5 language:Groovy | 120 | **53** |

\* This result is affected by the number of files Jenkins pipeline-model-definition api can parse (bottle neck issue).

# Q2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr. No. | Query Parameters | Jenkinsfile  asked  for  (downloaded  can be less  than this  number) | Parseable  Jenkinsfile  (valid)\* | Co-relation |
| 1. | Jenkinsfile in:path agent stages triggers in:file language:Groovy | 90 | **63** | **-0.17** |
| 2. | Jenkinsfile in:path  agent post in:file language:Groovy | 135 | **73** | **-0.1** |
| 3. | Jenkinsfile in:path agent post in:file size>5 language:Groovy | 120 | **27** | **-0.06** |

\* This result is affected by the number of files Jenkins pipeline-model-definition api can parse (bottle neck issue).

# Q3

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Query Parameters | Jenkinsfile  asked  for  (downloaded  can be less  than this  number) | Parseable  Jenkinsfile  (valid)\* |
| 1. | Jenkinsfile in:path agent steps in:file size>100 language:Groovy | 150 | **20** |
| 2. | Jenkinsfile in:path agent steps in:file size>500 language:Groovy | 150 | **2** |

\* This result is affected by the number of files Jenkins pipeline-model-definition api can parse (bottle neck issue).

# Q4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr. No. | Query Parameters | Jenkinsfile  asked  for  (downloaded  can be less  than this  number) | Parseable  Jenkinsfile  (valid)\* | No. of  times  Fail Fast  used |
| 1. | Jenkinsfile in:path agent parallel in:file language:Groovy | 90 | **80** | **2**  **{**  **"outer\_stage\_name": "build",**  **"fail\_fast": true,**  **"parallel\_stages": [**  **"Build on linux",**  **"Test on linux"**  **]**  **}**  **----------------------**  **{**  **"outer\_stage\_name": "parallel stage",**  **"fail\_fast": true,**  **"parallel\_stages": [**  **"Branch A",**  **"Branch B"**  **]**  **}** |
| 2. | Jenkinsfile in:path agent parallel in:file language:Groovy | 135 | **82** | **2**  **Same as above** |
| 3. | Jenkinsfile in:path agent parallel in:file language:Groovy | 135 | **37** | **1**  **{**  **"outer\_stage\_name": "build",**  **"fail\_fast": true,**  **"parallel\_stages": [**  **"mvn clean install in parallel"**  **]**  **}** |

\* This result is affected by the number of files Jenkins pipeline-model-definition api can parse (bottle neck issue).