Create the folder, and initialize the repository:

```
△ on ⊕ ⊡ bash
⌐⊙ 15:45:05 | 🗓4 Mar, Monday | 🖿 in ⌂ →DevOps →miniProjects
↳ ls
1stWeek  2ndWeek  3rdWeek  DataJenkins  proof
```

```
△ on ⊕ ⊡ bash
⌐⊙ 16:08:40 | 🗓4 Mar, Monday | 🖿 in ⌂ →DevOps →miniProjects
↳ cd 3rdWeek/
△ on ⊕ ⊡ bash ◆ 3.10.12
⌐⊙ 16:08:45 | 🗓4 Mar, Monday | 🖿 in ⌂ →DevOps →miniProjects →3rdWeek
↳ ls
Academy2024h1-w3.pdf  Jenkins  db.sqlite3  jenkinsApi  jenkinsMain  manage.py  names.json  names_ids.txt  poetry.lock  pyproject.toml
△ on ⊕ ⊡ bash ◆ 3.10.12
⌐⊙ 16:08:46 | 🗓4 Mar, Monday | 🖿 in ⌂ →DevOps →miniProjects →3rdWeek
↳ ls -lh
total 144K
-rwxr-xr-x 1 brayanmarin brayanmarin 112K Feb 29 12:08 Academy2024h1-w3.pdf
drwxr-xr-x 3 brayanmarin brayanmarin 4.0K Feb 29 08:33 Jenkins
-rw-r--r-- 1 brayanmarin brayanmarin    0 Feb 28 11:15 db.sqlite3
drwxr-xr-x 3 brayanmarin brayanmarin 4.0K Feb 28 11:15 jenkinsApi
drwxr-xr-x 5 brayanmarin brayanmarin 4.0K Feb 29 15:56 jenkinsMain
-rwxr-xr-x 1 brayanmarin brayanmarin  666 Feb 28 11:06 manage.py
-rw-r--r-- 1 brayanmarin brayanmarin   58 Feb 29 15:56 names.json
-rw-r--r-- 1 brayanmarin brayanmarin    6 Feb 29 15:56 names_ids.txt
-rw-r--r-- 1 brayanmarin brayanmarin 3.7K Feb 28 11:34 poetry.lock
-rw-r--r-- 1 brayanmarin brayanmarin  392 Feb 28 11:34 pyproject.toml
△ on ⊕ ⊡ bash ◆ 3.10.12
⌐⊙ 16:08:51 | 🗓4 Mar, Monday | 🖿 in ⌂ →DevOps →miniProjects →3rdWeek
↳
```

Adding to repository:

```
-rw-r--r-- 1 brayanmarin brayanmarin  392 Feb 28 11:34 pyproject.toml
△ on ⊕ ⊡ bash ◆ 3.10.12
⌐⊙ 16:08:51 | 🗓4 Mar, Monday | 🖿 in ⌂ →DevOps →miniProjects →3rdWeek
↳ git init
Initialized empty Git repository in /home/brayanmarin/DevOps/miniProjects/3rdWeek/.git/
△ on ⊕ ⊡ bash ◆ 3.10.12 ⌐ main ≠ ⌐?710
⌐⊙ 16:09:49 | 🗓4 Mar, Monday | 🖿 in ⌂ →DevOps →miniProjects →3rdWeek
↳ git add .
warning: could not open directory 'Jenkins/compose/.gitea/ssh/': Permission denied
△ on ⊕ ⊡ bash ◆ 3.10.12 ⌐ main ≠ ☑+94
⌐⊙ 16:09:53 | 🗓4 Mar, Monday | 🖿 in ⌂ →DevOps →miniProjects →3rdWeek
↳ git commit -m "Brayan(W3): Creating the repo ... "
[main (root-commit) 75e10f8] Brayan(W3): Creating the repo ...
 94 files changed, 1441 insertions(+)
 create mode 100755 Academy2024h1-w3.pdf
 create mode 100644 Jenkins/Dockerfile
 create mode 100644 Jenkins/compose/.gitea/git/.ssh/authorized_keys
 create mode 100644 Jenkins/compose/.gitea/git/.ssh/environment
 create mode 100644 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/HEAD
 create mode 100644 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/config
 create mode 100644 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/description
 create mode 100644 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/git-daemon-export-ok
 create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/applypatch-msg.sample
 create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/commit-msg.sample
 create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/post-receive
 create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/post-receive.d/gitea
 create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/post-update.sample
 create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/pre-applypatch.sample
 create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/pre-commit.sample
 create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/pre-merge-commit.sample
 create mode 100755 Jenkins/compose/.gitea/git/repositories/brayanmarin/week3-jenkins.git/hooks/pre-push.sample
```

```
△ on ⊕ ⊡ bash ◆ 3.10.12 ⌐ main ≠
⌐⊙ 16:10:38 | 🗓4 Mar, Monday | 🖿 in ⌂ →DevOps →miniProjects →3rdWeek
↳ git remote add origin http://localhost:3001/BrayanMarin/Week3-Jenkins.git
△ on ⊕ ⊡ bash ◆ 3.10.12 ⌐⌐ main ≠
⌐⊙ 16:11:23 | 🗓4 Mar, Monday | 🖿 in ⌂ →DevOps →miniProjects →3rdWeek
↳ git push -u origin main
Username for 'http://localhost:3001': BrayanMarin
Password for 'http://BrayanMarin@localhost:3001':
Enumerating objects: 122, done.
Counting objects: 100% (122/122), done.
Delta compression using up to 8 threads
Compressing objects: 100% (97/97), done.
Writing objects: 100% (122/122), 132.67 KiB | 5.10 MiB/s, done.
Total 122 (delta 9), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (9/9), done.
remote: . Processing 1 references
remote: Processed 1 references in total
To http://localhost:3001/BrayanMarin/Week3-Jenkins.git
 * [new branch]      main → main
Branch 'main' set up to track remote branch 'main' from 'origin'.
△ on ⊕ ⊡ bash ◆ 3.10.12 ⌐⌐ main ≠ ⌐?73 -3
⌐⊙ 16:11:57 | 🗓4 Mar, Monday | 🖿 in ⌂ →DevOps →miniProjects →3rdWeek
↳
```

Creating the API (I used DJANGO):

EXPLORER   ...

∨ 3RDWEEK [WSL: UBUNT...

∨ 🗁 Jenkins   ●
∨ 📁 jenkinsApi
    > 🐍 __pycache__
    🐍 __init__.py
    🐍 asgi.py
    🐍 settings.py
    🐍 urls.py
    🐍 wsgi.py
∨ 📁 jenkinsMain
    > 🐍 __pycache__
    ∨ 📁 helpers
      > 🐍 __pycache__
      🐍 __init__.py
      🐍 name_manager.py
      🐍 name.py
      🐍 nameReader.py
      🐍 numbers.py
    > 🗁 migrations
    🐍 __init__.py
    🐍 admin.py
    🐍 apps.py
    🐍 models.py
    🐍 tests.py
    🐍 urls.py
    🐍 views.py
📄 Academy2024h1-w3.pdf
🗋 db.sqlite3
🐍 manage.py
📄 names_ids.txt
{} names.json
🛡 poetry.lock
[T] pyproject.toml

```python
import json

from jenkinsMain.helpers.name import Name


def generate_name(name):
    name_ids = open("names_ids.txt", "r+")
    str_id = name_ids.readlines()[-1]

    new_name = Name(name, int(str_id))

    name_ids.write(str(new_name.id + 1) + "\n")
    name_ids.close()

    formatted_name = {"id": new_name.id, "name": new_name.name}
    save_data(formatted_name, "names.json")


def save_data(formatted_data: dict, file_name: str):
    json_file = open(file_name, "r")
    data: list = json.load(json_file)
    json_file.close()

    data.append(formatted_data)
    json_string = json.dumps(data)
    json_file = open(file_name, "w")
    json_file.write(json_string)
    json_file.close()


def update_name(id: int, new_name: str):
    json_file = open("names.json", "r")
    data: list = json.load(json_file)
    json_file.close()

    for name in data:
        if name["id"] == id:
            name["name"] = new_name

    json_string = json.dumps(data)
    json_file = open("names.json", "w")
    json_file.write(json_string)
    json_file.close()


def delete_name(id: int):
    json_file = open("names.json", "r")
    data: list = json.load(json_file)
    json_file.close()

    # Filter out the name that matches the ID to be deleted
    data = [name for name in data if name["id"] != id]

    # Save the updated data back to the JSON file
    json_string = json.dumps(data, indent=4)  # indent for pretty-printing
    with open("names.json", "w") as json_file:
        json_file.write(json_string)
```

```python
class Name:

    def __init__(self, name: str, name_id: int):
        self.name = name
        self.id = name_id

```

nameReader.py jenkinsMain/helpers/nameReader.py/...

```python
import json


def read_names():
    json_file = open("names.json", "r")
    data: list = json.load(json_file)
    json_file.close()
    return data

```

```python
You, 3 minutes ago | 1 author (You)
1   # import json
2   import math
3   import random
4
5
6   def calculate_sin(number):
7       return math.sin(math.radians(number))
8
9
10  def calculate_cos(number):
11      return math.cos(math.radians(number))
12
13
14  def generate_random_number(start, end):
15      return random.randint(start, end)
16
```

urls.py jenkinsMain/urls.py/...

```python
1   from django.contrib import admin
2   from django.urls import path
3
4   from jenkinsMain.views import (cos_of_number, create_get_names, delete_name,
5                                   random_number, sin_of_number, update_name)
6
7   urlpatterns = [
8       path("name/", create_get_names),
9       path("name/<int:name_id>/", update_name),
10      path("name/<int:name_id>/delete/", delete_name),
11      path("number/sin/", sin_of_number),
12      path("number/cos/", cos_of_number),
13      path("number/random/", random_number),
14  ]
15
```

```python
views.py M jenkinsMain/views.py/ ⊘ delete_name

You, 4 minutes ago | 1 author (You)
1   from django.http import JsonResponse
2   from rest_framework import status
3   from rest_framework.decorators import api_view
4
5   from jenkinsMain.helpers import name_manager, numbers
6   from jenkinsMain.helpers.nameReader import read_names
7
8
9   @api_view(["POST", "GET"])
10  def create_get_names(request):
11      if request.method == "GET":
12          return JsonResponse(data=read_names(), status=status.HTTP_200_OK, safe=False)
13      elif request.method == "POST":
14          name_manager.generate_name(request.data["name"])
15          return JsonResponse(
16              data={"message": "data successfully created"},
17              status=status.HTTP_201_CREATED,
18              safe=False,
19          )
20
21
22  @api_view(["PUT"])
23  def update_name(request, name_id: int):
24      name_manager.update_name(name_id, request.data["name"])
25      return JsonResponse(
26          data={"message": "data successfully updated"},
27          status=status.HTTP_200_OK,
28          safe=False,
29      )
30
31
32  @api_view(["DELETE"])
33  def delete_name(request, name_id: int):
34      try:
35          name_manager.delete_name(name_id)
36          return JsonResponse(
37              data={"message": "Name successfully deleted"},
38              status=status.HTTP_204_NO_CONTENT,
39          )
40      except Exception as e:            You, 47 minutes ago • Brayan(W3): Finishing the methods of the API...
41          return JsonResponse(
42              data={"message": str(e)}, status=status.HTTP_500_INTERNAL_SERVER_ERROR
43          )
44
```

```python
@api_view(["POST"])
def sin_of_number(request):
    try:
        number = request.data.get("number")
        result = numbers.calculate_sin(number)
        return JsonResponse({"sin": result}, status=status.HTTP_200_OK)
    except (ValueError, TypeError):
        return JsonResponse(
            {"error": "Invalid input"}, status=status.HTTP_400_BAD_REQUEST
        )


@api_view(["POST"])
def cos_of_number(request):
    try:
        number = request.data.get("number")
        result = numbers.calculate_cos(number)
        return JsonResponse({"cos": result}, status=status.HTTP_200_OK)
    except (ValueError, TypeError):
        return JsonResponse(
            {"error": "Invalid input"}, status=status.HTTP_400_BAD_REQUEST
        )


@api_view(["GET"])
def random_number(request):
    try:
        start = int(request.query_params.get("start", 0))
        end = int(request.query_params.get("end", 100))
        result = numbers.generate_random_number(start, end)
        return JsonResponse({"random_number": result}, status=status.HTTP_200_OK)
    except (ValueError, TypeError):
        return JsonResponse(
            {"error": "Invalid input"}, status=status.HTTP_400_BAD_REQUEST
        )
```

Now, using the pylint library to check some files:

```
 △ on ⊕   ⊳ bash  🐧 3.10.12   ◈ ⦗ main ≡ ☑?39 ~8                       ✓ ⌛11ms
 ⌖⊙ 06:59:30 | 📅 5 Mar, Tuesday | 📁 in ⌂ → DevOps → miniProjects → 3rdWeek
 ↳ python -m pylint manage.py /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/helpers/__ini
t__.py /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/helpers/name.py /home/brayanmarin/Dev
Ops/miniProjects/3rdWeek/jenkinsMain/helpers/name_manager.py /home/brayanmarin/DevOps/miniProjects/3rd
Week/jenkinsMain/helpers/nameReader.py /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/helpe
rs/numbers.py /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/migrations/__init__.py /home/b
rayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/__init__.py /home/brayanmarin/DevOps/miniProjects/3
rdWeek/jenkinsMain/admin.py /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/urls.py /home/br
ayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/views.py
************* Module manage
manage.py:11:8: C0415: Import outside toplevel (django.core.management.execute_from_command_line) (imp
ort-outside-toplevel)
************* Module jenkinsMain.helpers.name
jenkinsMain/helpers/name.py:1:0: C0114: Missing module docstring (missing-module-docstring)
jenkinsMain/helpers/name.py:1:0: C0115: Missing class docstring (missing-class-docstring)
jenkinsMain/helpers/name.py:1:0: R0903: Too few public methods (0/2) (too-few-public-methods)
************* Module jenkinsMain.helpers.name_manager
jenkinsMain/helpers/name_manager.py:1:0: C0114: Missing module docstring (missing-module-docstring)
jenkinsMain/helpers/name_manager.py:6:0: C0116: Missing function or method docstring (missing-function
-docstring)
jenkinsMain/helpers/name_manager.py:7:15: W1514: Using open without explicitly specifying an encoding
(unspecified-encoding)
jenkinsMain/helpers/name_manager.py:7:15: R1732: Consider using 'with' for resource-allocating operati
ons (consider-using-with)
jenkinsMain/helpers/name_manager.py:22:0: C0116: Missing function or method docstring (missing-functio
n-docstring)
jenkinsMain/helpers/name_manager.py:23:16: W1514: Using open without explicitly specifying an encoding
 (unspecified-encoding)
jenkinsMain/helpers/name_manager.py:23:16: R1732: Consider using 'with' for resource-allocating operat
ions (consider-using-with)
jenkinsMain/helpers/name_manager.py:29:16: W1514: Using open without explicitly specifying an encoding
 (unspecified-encoding)
jenkinsMain/helpers/name_manager.py:29:16: R1732: Consider using 'with' for resource-allocating operat
ions (consider-using-with)
jenkinsMain/helpers/name_manager.py:34:0: C0116: Missing function or method docstring (missing-functio
n-docstring)
jenkinsMain/helpers/name_manager.py:34:16: W0622: Redefining built-in 'id' (redefined-builtin)
jenkinsMain/helpers/name_manager.py:35:16: W1514: Using open without explicitly specifying an encoding
 (unspecified-encoding)
jenkinsMain/helpers/name_manager.py:35:16: R1732: Consider using 'with' for resource-allocating operat
ions (consider-using-with)
jenkinsMain/helpers/name_manager.py:44:16: W1514: Using open without explicitly specifying an encoding
 (unspecified-encoding)
jenkinsMain/helpers/name_manager.py:44:16: R1732: Consider using 'with' for resource-allocating operat
ions (consider-using-with)
jenkinsMain/helpers/name_manager.py:49:0: C0116: Missing function or method docstring (missing-functio
n-docstring)
jenkinsMain/helpers/name_manager.py:49:16: W0622: Redefining built-in 'id' (redefined-builtin)
jenkinsMain/helpers/name_manager.py:50:16: W1514: Using open without explicitly specifying an encoding
 (unspecified-encoding)
```

```
jenkinsMain/helpers/nameReader.py:1:0: C0114: Missing module docstring (missing-module-docstring)
jenkinsMain/helpers/nameReader.py:1:0: C0103: Module name "nameReader" doesn't conform to snake_case n
aming style (invalid-name)
jenkinsMain/helpers/nameReader.py:4:0: C0116: Missing function or method docstring (missing-function-d
ocstring)
jenkinsMain/helpers/nameReader.py:5:16: W1514: Using open without explicitly specifying an encoding (u
nspecified-encoding)
jenkinsMain/helpers/nameReader.py:5:16: R1732: Consider using 'with' for resource-allocating operation
s (consider-using-with)
************* Module jenkinsMain.helpers.numbers
jenkinsMain/helpers/numbers.py:1:0: C0114: Missing module docstring (missing-module-docstring)
jenkinsMain/helpers/numbers.py:6:0: C0116: Missing function or method docstring (missing-function-docs
tring)
jenkinsMain/helpers/numbers.py:10:0: C0116: Missing function or method docstring (missing-function-doc
string)
jenkinsMain/helpers/numbers.py:14:0: C0116: Missing function or method docstring (missing-function-doc
string)
jenkinsMain/helpers/numbers.py:1:0: W0611: Unused import json (unused-import)
************* Module jenkinsMain
jenkinsMain/__init__.py:1:0: C0103: Module name "jenkinsMain" doesn't conform to snake_case naming sty
le (invalid-name)
************* Module jenkinsMain.admin
jenkinsMain/admin.py:1:0: C0114: Missing module docstring (missing-module-docstring)
jenkinsMain/admin.py:1:0: E0401: Unable to import 'django.contrib' (import-error)
jenkinsMain/admin.py:1:0: W0611: Unused admin imported from django.contrib (unused-import)
************* Module jenkinsMain.urls
jenkinsMain/urls.py:1:0: C0114: Missing module docstring (missing-module-docstring)
jenkinsMain/urls.py:1:0: E0401: Unable to import 'django.contrib' (import-error)
jenkinsMain/urls.py:2:0: E0401: Unable to import 'django.urls' (import-error)
jenkinsMain/urls.py:1:0: W0611: Unused admin imported from django.contrib (unused-import)
************* Module jenkinsMain.views
jenkinsMain/views.py:1:0: C0114: Missing module docstring (missing-module-docstring)
jenkinsMain/views.py:1:0: E0401: Unable to import 'django.http' (import-error)
jenkinsMain/views.py:2:0: E0401: Unable to import 'rest_framework' (import-error)
jenkinsMain/views.py:3:0: E0401: Unable to import 'rest_framework.decorators' (import-error)
jenkinsMain/views.py:11:0: C0116: Missing function or method docstring (missing-function-docstring)
jenkinsMain/views.py:12:4: R1705: Unnecessary "elif" after "return", remove the leading "el" from "eli
f" (no-else-return)
jenkinsMain/views.py:11:0: R1710: Either all return statements in a function should return an expressi
on, or none of them should. (inconsistent-return-statements)
jenkinsMain/views.py:28:0: C0116: Missing function or method docstring (missing-function-docstring)
jenkinsMain/views.py:38:0: C0116: Missing function or method docstring (missing-function-docstring)
jenkinsMain/views.py:45:11: W0718: Catching too general exception Exception (broad-exception-caught)
jenkinsMain/views.py:38:16: W0613: Unused argument 'request' (unused-argument)
jenkinsMain/views.py:54:0: C0116: Missing function or method docstring (missing-function-docstring)
jenkinsMain/views.py:64:0: C0116: Missing function or method docstring (missing-function-docstring)
jenkinsMain/views.py:74:0: C0116: Missing function or method docstring (missing-function-docstring)


------------------------------------
Your code has been rated at 3.04/10
```

Using black library:

```
 ⚙ on ⊛  bash  ⬢ 3.10.12  🔀 main ≡ ?39 ~13                    ✓  ⌛ 10s 258ms
 ⟲ 07:26:14 | 📅 5 Mar, Tuesday | 📁 in ⌂ → DevOps → miniProjects → 3rdWeek
 ↳ python -m black manage.py /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/helpers/__init
__.py /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/helpers/name.py /home/brayanmarin/DevO
ps/miniProjects/3rdWeek/jenkinsMain/helpers/name_manager.py /home/brayanmarin/DevOps/miniProjects/3rdW
eek/jenkinsMain/helpers/nameReader.py /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/helper
s/numbers.py /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/migrations/__init__.py /home/br
ayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/__init__.py /home/brayanmarin/DevOps/miniProjects/3r
dWeek/jenkinsMain/admin.py /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/urls.py /home/bra
yanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/views.py
reformatted /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/urls.py
reformatted manage.py
reformatted /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/helpers/name_manager.py
reformatted /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/views.py

All done! ✨ 🍰 ✨
4 files reformatted, 7 files left unchanged.
```

Using isort:

```
 ⚙ on ⊛  bash  ⬢ 3.10.12  🔀 main ≡ ?39 ~16                    ✓  ⌛ 710ms
 ⟲ 07:28:29 | 📅 5 Mar, Tuesday | 📁 in ⌂ → DevOps → miniProjects → 3rdWeek
 ↳ isort .
Fixing /home/brayanmarin/DevOps/miniProjects/3rdWeek/jenkinsMain/urls.py
Skipped 1 files
```

Creating the server of Jenkins:

```yaml
version: '3.8'
networks:
  trainingNetwork:
    external: true
services:
  gitea:
    image: gitea/gitea:1.21.5
    environment:
      - USER_UID=1000
      - USER_GID=1000
      - TZ=America/Bogota
    restart: always
    networks:
      - trainingNetwork
    volumes:
      - .gitea:/data
    ports:
      - "3001:3000"
      - "222:222"
  jenkins:
    image: jenkins/jenkins:alpine3.19-jdk21
    ports:
      - "8000:8080"
      - "50000:50000"
    privileged: true
    user: root
    volumes:
      - jenkins-data:/var/jenkins-data
      - /var/run/docker.sock:/var/run/docker.sock
    networks:
      - trainingNetwork
volumes:
  jenkins-data:
    external: true
  onlyJava:
    external: true
~
```

Getting Started

Getting Started

✓ Folders	✓ OWASP Markup Formatter	✓ Build Timeout	✓ Credentials Binding
✓ Timestamper	Workspace Cleanup	Ant	Gradle
Pipeline	GitHub Branch Source	Pipeline: GitHub Groovy Libraries	Pipeline: Stage View
Git	SSH Build Agents	Matrix Authorization Strategy	PAM Authentication
LDAP	Email Extension	Mailer	Dark Theme

```
** Ionicons API
Folders
OWASP Markup Formatter
** JSON Path API
** Structs
** Pipeline: Step API
** Token Macro
Build Timeout
** Credentials
** Plain Credentials
** Gson API
** Trilead API
** SSH Credentials
Credentials Binding
** SCM API
** Pipeline: API
** commons-lang3 v3.x Jenkins API
Timestamper
** Caffeine API
** Script Security
** JavaBeans Activation Framework
(JAF) API
** JAXB
```

```
** - required dependency
```

Jenkins 2.447

Installing Gitea and Docker in Jenkins:

Gitea	✓ Success
SSH server	✓ Success
Gitea Checks	✓ Success
Loading plugin extensions	✓ Success
Cloud Statistics	✓ Success
Docker Commons	✓ Success
Apache HttpComponents Client 5.x API	✓ Success
Docker API	✓ Success
Docker	✓ Success
Docker Commons	✓ Success
Docker Pipeline	✓ Success
Docker API	✓ Success
Javadoc	✓ Success
JSch dependency	✓ Success
Maven Integration	✓ Success
docker-build-step	✓ Success
Oracle Java SE Development Kit Installer	✓ Success
Command Agent Launcher	✓ Success
Docker Compose Build Step	✓ Success
Docker Slaves	✓ Success
CloudBees Docker Traceability	✓ Success
Loading plugin extensions	✓ Success

Creating the pipeline:

Week3JenkinsBrayanMarin

» A job already exists with the name 'Week3JenkinsBrayanMarin'

Freestyle project
Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

Folder
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

Multibranch Pipeline
Creates a set of Pipeline projects according to detected branches in one SCM repository.

Organization Folder
Creates a set of multibranch project subfolders by scanning for repositories.

If you want to create a new item from other existing, you can use this option:

Copy from

Type to autocomplete

OK