

Extract_data.py

```
import os

# Get the environment variable named "TOKEN"
token = os.getenv("TOKEN")

# Print the token value
print(f"Token = {token}")

# Check if the token matches the expected value
if token == "12345":
    print("valid")
else:
    print("invalid")
```

jenkinsfile

```
pipeline {
    agent any

    environment {
        PYTHON =
"C:\\\\Users\\\\tanuj\\\\AppData\\\\Local\\\\Programs\\\\Python\\\\Python313\\\\python.exe"
        PIP =
"C:\\\\Users\\\\tanuj\\\\AppData\\\\Local\\\\Programs\\\\Python\\\\Python313\\\\Scripts\\\\pip.exe"
        APP_TOKEN = credentials('APP_TOKEN')
    }

    stages {
        stage('Checkout Code') {
            steps {
                checkout scm
            }
        }

        stage('Install Dependencies') {
            steps {
                bat '"%PIP%" install -r requirements.txt'
            }
        }
    }
}
```

```

stage('Extract Data') {
    steps {
        bat """
            set TOKEN=${env.APP_TOKEN}
            ${env.PYTHON} extract_data.py
        """
    }
}

post {
    success {
        echo "✅ Pipeline completed successfully!"
    }
    failure {
        echo "❌ Pipeline failed. Check console output for
details."
    }
}
}

```

Requirements.txt

```
requests
pandas
```

✳️ 1. Create a Pipeline in Jenkins

1. Open **Jenkins Dashboard** → **New Item**
2. Enter a name → Select “**Pipeline**” → **OK**
3. In **Pipeline** section → paste your Jenkinsfile code
4. Click **Save** → **Build Now**

🔑 2. Create an App Token (Credential)

1. Go to **Jenkins Dashboard** → **Manage Jenkins** → **Credentials** → **(Global)**
2. Click **Add Credentials**
3. Choose:
 - **Kind:** *Secret text*
 - **Secret:** *(paste your token value)*
 - **ID:** *APP_TOKEN*
4. Click **OK**

3. Use in Jenkinsfile

```
environment {  
    APP_TOKEN = credentials('APP_TOKEN')  
}
```

4. Run Pipeline

- Click **Build Now** → Jenkins will automatically fetch code, install dependencies, and run your Python script using the stored token securely.

Output:

 extract_pipeline_3

Stage View

