**GitHub Action Workflow:**

1. **Trigger**: This workflow triggers on pushes to the **main** branch and pull requests targeting the **main** branch.
2. **Jobs**:
   * **Build**: This job checks out the code, sets up JDK 17 with Maven, and builds the Maven project.
   * **Publish Artifact**: After the build job succeeds, this job sets up JDK 17, builds the Maven project again with verification, prepares the artifact (WAR file), and uploads it as a GitHub artifact named "Package" to be used in subsequent steps.
   * **Install AWS CLI**: This job installs the AWS CLI on the GitHub Actions runner.
   * **Push WAR file to S3**: This job depends on the "Install AWS CLI" job. It copies the WAR file generated in the previous steps to the specified S3 bucket.
   * **Build and Push Docker Image**: This job builds a Docker image tagged as **my-tomcat-app:latest**, logs in to Amazon ECR using AWS credentials stored in GitHub secrets, tags the Docker image for the Amazon ECR repository, and pushes the image to Amazon ECR.
   * **Scan Docker Image with Docker Scout (optional)**: amazon ECR automatically scan images for vulnerabilities (security scan) when images are pushed.
   * **Deploy to EKS**.
3. Notes:
   * Replace s3 name with your s3.
   * Replace ECR repo name with your ECR repo name