# Problem Statement:

Hugle is a banking company. Any banking company must have the highest security standard because it can face a massive lawsuit in case of any data leak. Thus, the company must incorporate a security-related feature to scan all the codes to find any vulnerabilities before deploying it to production. This is an essential feature to be included.

# Steps to Perform:

You have been given this task to check the vulnerabilities using WhiteSource for the given ASP.NET web application (Sample core application). You would be required to perform the below tasks:

* Add some third party Nuget Libraries
* Check in the solution to Azure Repos
* Add WhiteSource to the azure pipeline

Execute the pipeline and check the outcome of the WhiteSource about the code vulnerabilities

# Solution

1. Create an ASP.NET Core web application:

- Open Visual Studio

- Select "Create a new project"

- Select "ASP.NET Core Web Application" and click "Next"

- Choose "Web Application" template and click "Create"

- Build and run the application to ensure it works as expected

2. Add third-party NuGet packages:

- Right-click on the project and select "Manage NuGet Packages"

- Search for and install any desired third-party packages

3. Check in the solution to Azure Repos:

- Create a new repository in Azure Repos

- Clone the repository to your local machine

- Copy the project files to the local repository directory

- Use Git commands to commit and push the changes to Azure Repos

4. Add WhiteSource to the Azure pipeline:

- Create a new pipeline in Azure DevOps

- Choose "GitHub" or "Azure Repos Git" as the source

- Select the repository and branch

- Choose "ASP.NET Core" template as the pipeline

- Add the WhiteSource extension to the pipeline by searching for it and following the setup instructions

5. Execute the pipeline and check the outcome of the WhiteSource:

- Save and run the pipeline

- Wait for the pipeline to complete

- Check the pipeline logs to ensure WhiteSource scanned for vulnerabilities

- Check the WhiteSource dashboard or report for any vulnerabilities found in the code

By following these steps, you should be able to add third-party NuGet packages to an ASP.NET Core web application, check in the solution to Azure Repos, and add WhiteSource to the Azure pipeline to scan for vulnerabilities in the code.