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INTRODUCTION TO DEVOPS

**AIM:**

**CASE STUDY:**

**DEVOPS:**

Azure DevOps provides developer services for allowing teams to plan work, collaborate on code development, and build and deploy applications. Azure DevOps supports a collaborative culture and set of processes that bring together developers, project managers, and contributors to develop software. It allows organizations to create and improve products at a faster pace than they can with traditional software development approaches.

**TOOLS AND SETTINGS:**

**BOARDS:**

Combine drag-and-drop sprint planning and flexible work item tracking with comprehensive traceability to have the perfect home for all your ideas–big and small.

**PIPELINES:**

Azure Pipelines **automatically builds and tests code projects to make them available to others**. It works with just about any language or project type. Azure Pipelines combines continuous integration (CI) and continuous delivery (CD) to test and build your code and ship it to any target.

**REPOS:**

Get unlimited private Git repository hosting and support for TFVC that scales from a hobby project to the world’s largest repository.

**TEST PLANS:**

Azure Test Plans, a service launched with [Azure DevOps](https://azure.microsoft.com/en-us/blog/introducing-azure-devops/) earlier this month, provides a browser-based test management solution for exploratory, planned manual, and user acceptance testing. Azure Test Plans also provides a browser extension for exploratory testing and gathering feedback from stakeholders.

**ARTIFACTS:**

Add fully integrated package management to your continuous integration/continuous delivery (CI/CD) pipelines with a single click. Create and share Maven, npm, NuGet and Python package feeds from public and private sources with teams of any size.

WORK WITH GITHUB

Date:

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To explore revision control systems.

**ALGORITHM:**