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**Class:** Msc. Computer Science

**Subject:** Cloud Computing

**Year:** 2022-23

## Practical 4

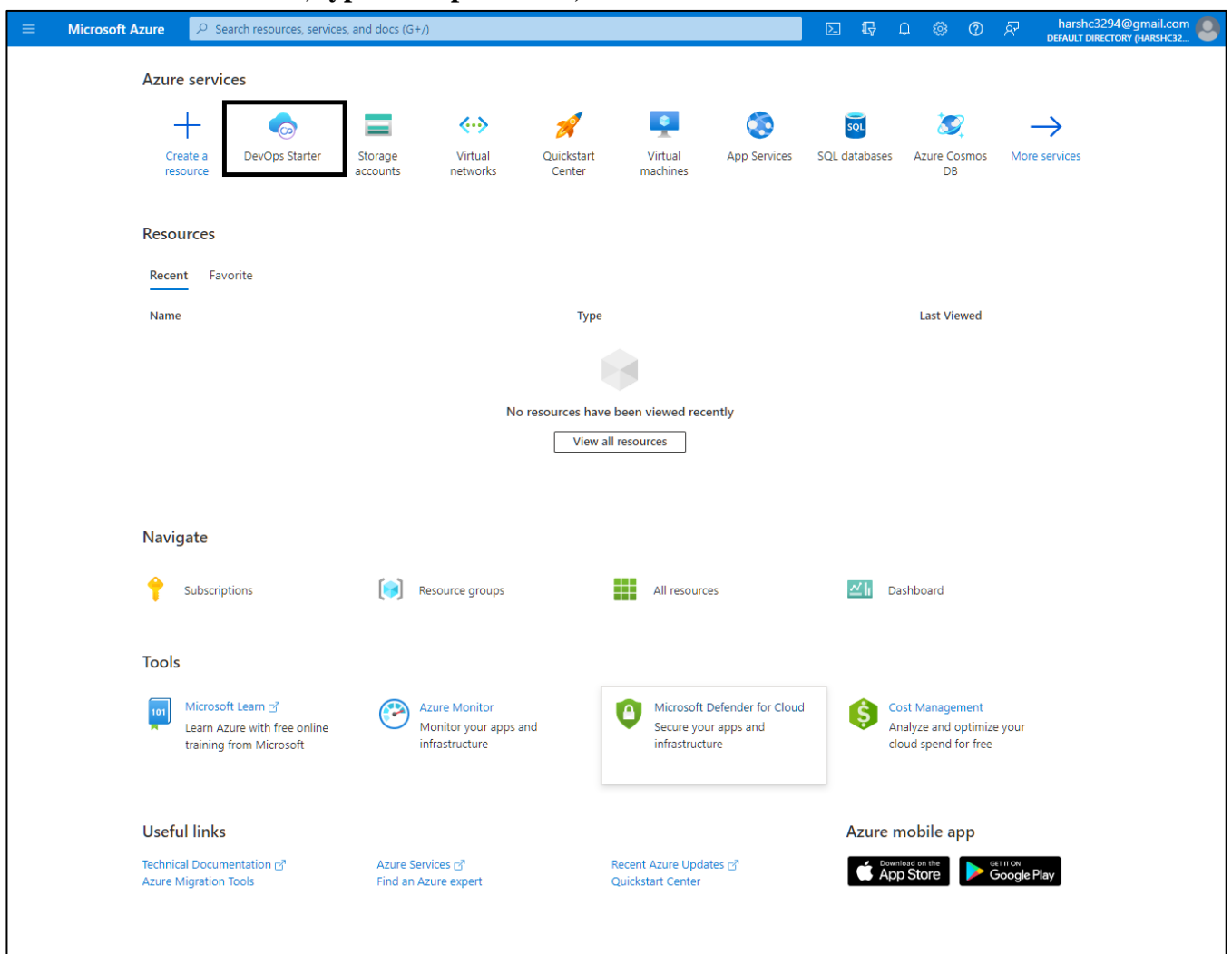
**Aim:** Demonstration of PaaS cloud

**Code:**

### Deploy Node.js app to Azure Web App using DevOps Starter for GitHub Actions Use DevOps Starter to deploy a Node.js app

**DevOps Starter creates a workflow in GitHub. You can use an existing GitHub organization. DevOps Starter also creates Azure resources such as Web App in the Azure subscription of your choice.**

1. Sign in to the Azure portal.
2. In the search box, type DevOps Starter, and then select. Click on Add to create a new one.



Microsoft Azure Search resources, services, and docs (G+)

harshc3294@gmail.com  
DEFAULT DIRECTORY (HARSHC32...)

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## DevOps Starter


Default Directory (harshc3294gmail.onmicrosoft.com)

[+ Create](#) [Manage view](#) [Refresh](#) [Export to CSV](#) [Open query](#) [Assign tags](#)

Filter for any field... Subscription equals all Resource Group Name equals all Location equals all Add filter

No grouping List view

Name Resource... Subscription



### No DevOps starter to display

Try changing or clearing your filters.

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## DevOps Starter


Create


 Launch an app running in Azure in a few quick steps  
Everything you need, created and ready to go: code repository, CI/CD pipeline or GitHub Workflow, and the necessary Azure resources.


### Start fresh with a new application


Setting up DevOps starter with GitHub, change settings [here](#)


 **.NET**  
New Web App using ASP.NET or ASP.NET Core, or a new IoT app


 **Node.js** ☒  
New Web app using Node.js, Express.js or Sails.js, or a new IoT app


 **PHP**  
New Web app using simple PHP

 **Java**  
New Web App using Spring or JSF, or a new IoT app

 **Static Website**  
New static website using HTML, CSS, and JavaScript

 **Python**  
New Web App using Bottle, Django, or Flask


 **Ruby**  
New Web App using Ruby on Rails


 **Go**  
New Web App using Go

We are continuously adding support for more scenarios. Stay tuned!

[Next: Framework >](#)

### DevOps starter settings

 **Azure DevOps**  
Build, test and deploy with your code in Azure repos and CI/CD using Azure Pipelines

 **GitHub** ☒  
Build, test and deploy with your code in GitHub repo and CI/CD using GitHub Actions

[Done](#)

Microsoft Azure

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Create

DevOps Starter

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✓

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4

Runtime Framework Service Create

Choose an application framework

EX Express.js ✓  
Node.js web framework for building fast, minimalistic web apps and services

Simple Node.js app  
Simple Node.js web app

Sail.js  
Node.js web framework for building custom, enterprise-grade web apps

Add a database ☐

Cosmos DB  
A globally distributed, multi-model database

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Runtime Framework Service Create

Select an Azure service to deploy the application

Windows Web App ✓  
Fully managed compute platform on Windows for web applications and websites.

Kubernetes Service  
Fully managed Kubernetes container orchestration service for managing containers without container expertise

Web App for Containers  
Fully managed compute platform on Linux for deploying and running containerized web applications.

Don't see a service you're looking for? We're continuously adding support for more Azure services and app frameworks. [Learn more](#)

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RuntimeFrameworkServiceCreate

Select Repository and Subscription

Ready to deploy Express.js app to Azure Windows Web App.

ⓘ Azure needs permission to access your GitHub account to create the workflow

Authorize

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RuntimeFrameworkServiceCreate

Select Repository and Subscription

Ready to deploy Express.js app to Azure Windows Web App.

Organization \*

harsh3294

Repository \*

tinder

Subscription \* ⓘ

Azure for Students

Web app name \* ⓘ

harsh tinder clone

.azurewebsites.net

Location ⓘ

South Central US

Pricing tier: S1 Standard (1 Core, 1.75 GB RAM)

[Additional settings](#)

By continuing, you agree to the [Terms of Service](#) and the [Privacy Statement](#).

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