

JOURNEY SCRAPBOOK

Technical Training - Week 1 & 2
18-Aug-2023 to 01-Sep-2023

YUVA SAHITH VARMA SANGARAJU
BATCH - 8

Foundational Bootcamp

18-AUG-2023 TO 28-AUG-2023 (7 DAYS)

Day 1 – Business Analysis and Agile Scrum

- ▶ SDLC and its phases
- ▶ Requirement gathering and analysis
- ▶ Requirement elicitation techniques
- ▶ Stakeholders in a project
- ▶ Business Analysis
- ▶ STLC phases
- ▶ Requirement management techniques
- ▶ Requirement traceability matrix (RTM)
- ▶ Waterfall model
- ▶ V, Prototype and Spiral models
- ▶ Rapid Application Development (RAD) model

Day 1 continued...

- ▶ Agile methodology
- ▶ Roles in Agile and Sprints
- ▶ Agile principles
- ▶ Scrum process flow and artifacts
- ▶ Scrum charts and roles
- ▶ Test Case Design
- ▶ Azure DevOps account creation
- ▶ Azure DevOps login via Shell account and Gmail

Day 2 – Business Analysis and Agile Scrum

- ▶ Azure DevOps
- ▶ Work Items, Boards and Backlogs
- ▶ Sprints and Queries
- ▶ Repos, Pipelines and Test Plans
- ▶ Creating a new work item
- ▶ Stages in taskboard
- ▶ Story pointing
- ▶ Estimation techniques in Agile
- ▶ Fibonacci and T-shirt sizes techniques
- ▶ Flipkart Scrum Project in Azure DevOps

sahithvarma03

+ New project

Projects My work items My pull requests

Filter projects

AG

Azure Demo Generator

Generated by Azure DevOps Demo Generator

FD

Flipkart Scrum Demo



AG

Azure Demo Generator

Generated by Azure DevOps Demo Generator



FD

Flipkart Scrum Demo



SB

Shell Bootcamp





Azure DevOps

mudulisitesh

/ Flipkart Scrum Demo

/ Boards

/ Work items

Search



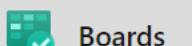
SV

FD **Flipkart Scrum Demo**

Try the New Boards Hub for improved performance, accessibility, and new features. [Click here](#) to learn more.



Overview



Boards



Work items



Boards



Backlogs



Sprints



Queries



Delivery Plans



Pipelines



Artifacts



Work items

Recently updated

+ New Work Item

Open in Queries

Column Options



Filter by keyword

Types

Assigned to

States

Area

Tags



ID	Title	Assigned To	State	Area
362	🐞 Searching the order displays some mismatch order	👤 Unassigned	● Committed	Flip
358	📝 As a user i want to filter the order with various order time	👤 Unassigned	● New	Flip
357	📝 As a user i want to filter the order with various order status	👤 Unassigned	● New	Flip
356	📝 As a user i want to search order so that i can view particular order	👤 Shashikant Suman	● New	Flip
354	🏆 View And Search Order	👤 nikhilgupta9874@gmail.co...	● New	Flip
353	🏆 Filtering The Order Functionality	👤 soodayush72@gmail.com	● New	Flip
352	👑 Order Module Under My Account	👤 Sahith Varma	● New	Flip

Project settings



Flipkart Scrum Demo Team

Backlog

Analytics

+ New Work Item

View as Board

...

Backlog items



Order	Work Item Type	Title	State	Effort	Value Area	Iteration Path
+	Epic	Order Module Under My Account	...	New	Business	Flipkart Scrum De
	Feature	Filtering The Order Functionality	New		Business	Flipkart Scrum De
	Product Backl...	> As a user i want to filter the order with various order st...	New	9	Business	Flipkart Scrum De
	Product Backl...	> As a user i want to filter the order with various order ti...	New	12	Business	Flipkart Scrum De
	Feature	View And Search Order	New		Business	Flipkart Scrum De
	Product Backl...	> As a user i want to search order so that i can view parti...	New	21	Business	Flipkart Scrum De

Flipkart Scrum Demo +

As a stakeholder, you can access the backlog, task and Kanban boards, work items and manage approvals for Releases. [Learn more](#)

Overview Boards Work items Boards Backlogs Sprints Queries Delivery Plans Pipelines Artifacts Project settings

Flipkart Scrum Demo Team August 21 - September 1 6 work days remaining

Taskboard Backlog Analytics + New Work Item ...

Sprint 1 Person: All

Collapse all

To Do	In Progress	Done
<p>355 As a user, I want to view all my orders SM Sitesh Muduli State Done</p> <p>+</p>		<p>359 Develop the code for Viewing Orders Unassigned State Done</p> <p>+</p>
<p>362 Searching the order displays some mismatch order Unassigned State Committed</p> <p>+</p>		
<p>357 As a user i want to filter the order with various order status Unassigned State New</p> <p>+</p>		<p>361 Design Test Cases for Viewing Order Unassigned State Done</p> <p>+</p>

Burndown

8/11/2023 - 8/25/2023

Completed 20%

Average burndown -0.3

Backlog items

Remaining 4

Total Scope Increase 5

work items

Average Velocity 0

5
4
3
2
1
0

8/11/2023 8/12/2023 8/13/2023 8/14/2023 8/15/2023 8/16/2023 8/17/2023 8/18/2023 8/19/2023 8/20/2023 8/21/2023 8/22/2023 8/23/2023 8/24/2023 8/25/2023

Remaining — Burndown — Total Scope

Burnup

8/11/2023 - 8/25/2023

Backlog items

Remaining 4

Day 3 - DBMS

- ▶ DBMS
- ▶ PostgreSQL Introduction
- ▶ NoSQL Introduction
- ▶ Normalization
- ▶ Virtual Machine Connection
- ▶ Creation of Online Shopping Database in the Terminal
- ▶ PSQL Basic Commands, Clauses and Statements
- ▶ Joins and Subqueries

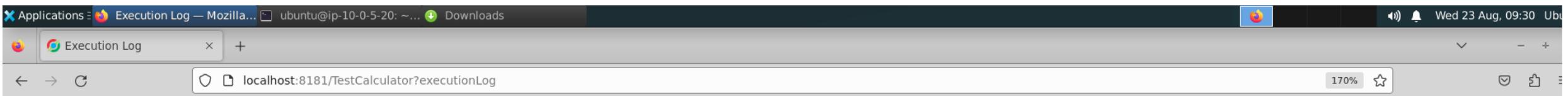
Day 4 - Testing

- ▶ Software Testing
- ▶ Need for testing and Types of testing
- ▶ STLC and its phases
- ▶ Test plan components
- ▶ Entry and Exit Criteria
- ▶ Role of tester
- ▶ Testing levels and classification
- ▶ Statement and Code Coverage
- ▶ Order of Testing
- ▶ Smoke, System and Sanity Testing
- ▶ Regression Testing and Retesting

Day 4 continued...

- ▶ Unit and Integration Testing
- ▶ User Acceptance Testing (UAT)
- ▶ Static and Dynamic Testing
- ▶ Functional and Non-functional Testing
- ▶ White box and Black box testing techniques
- ▶ Defect Life Cycle
- ▶ Early Testing
- ▶ Testing Strategies and Tools
- ▶ Test Driven Development (TDD) and BDD
- ▶ Implementation of Calculator on FitNesse using Eclipse IDE in VM

```
ubuntu@ip-10-0-5-20:~/Downloads$ java -jar fitnesse-standalone.jar -p 8181
Aug 23, 2023 9:02:47 AM fitnesse.ConfigurationParameter loadProperties
INFO: No configuration file found (/home/ubuntu/Downloads/plugins.properties)
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Bootstrapping FitNesse, the fully integrated standalone wiki and acceptance testing framework.
root page: fitnesse.wiki.fs.FileSystemPage at ./FitNesseRoot#latest
logger: none
authenticator: fitnesse.authentication.PromiscuousAuthenticator
page factory: fitnesse.html.template.PageFactory
page theme: bootstrap
Starting FitNesse on port: 8181
```



TestCalculator

Wed Aug 23 09:23:30 UTC 2023 | *FitNesse Version: v20230503* | [Page History](#)

fit:fit.FitServer

Test page:	TestCalculator
Command:	java -cp /home/ubuntu/Downloads/fitnesse-standalone.jar fit.FitServer ip-10-0-5-20 34859 3863
Exit code:	1
Time elapsed:	0 seconds

Applications | Donate | The Eclipse Fo... | eclipse-workspace - Test... | ubuntu@ip-10-0-5-20: ~ | File System | eclipse-workspace - TestingDemo/src/calculatorTest/Addition.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer X | *Addition.java X | Outline X

TestingDemo
JRE System Library [JavaSE-17]
src
calculatorTest
Addition.java

```
1 package calculatorTest;
2
3 public class Addition {
4
5     int num1, num2, result;
6
7     public int getNum1() {
8         return num1;
9     }
10
11    public void setNum1(int num1) {
12        this.num1 = num1;
13    }
14
15    public int getNum2() {
16        return num2;
17    }
18
19    public void setNum2(int num2) {
20        this.num2 = num2;
21    }
22
23    public int getResult() {
24        return result;
25    }
26
27    public void setResult(int result) {
28        this.result = result;
29    }
}
```

calculatorTest
Addition
num1 : int
num2 : int
result : int
getNum1() : int
setNum1(int) : void
getNum2() : int
setNum2(int) : void
getResult() : int
setResult(int) : void

Problems X | @ Javadoc | Declaration
0 items

Description	Resource	Path	Location	Type
-------------	----------	------	----------	------

Day 5 - DevOps

- ▶ DevOps
- ▶ DevOps Lifecycle
- ▶ Comparing Agile and DevOps models
- ▶ CI/CD
- ▶ DevOps Stages
- ▶ Servers and Environments
- ▶ Jenkins Pipeline
- ▶ GitHub Actions and Workflows
- ▶ Basic Git Commands
- ▶ Version Control System

Day 5 continued...

- ▶ Main and Feature branches
- ▶ Commit changes and Pull Request (PR)
- ▶ File Structure
- ▶ yaml file
- ▶ Docker Account Creation
- ▶ Usage of Docker



Sahith03 / hello-world-java



Type / to search



Code



Pull requests



Actions



Projects



Wiki



Security



Insights



Settings



hello-world-java

Public

forked from RBA-Infotech/hello-world-java



Pin



Watch

0

▼



Fork

6

▼



Star

0

▼

master

▼

1 branch

▼

0 tags

Go to file

Add file

Code

▼

This branch is up to date with RBA-Infotech/hello-world-java:master.



Contribute



Sync fork

About



No description, website, or topics provided.

Activity

0 stars

0 watching

6 forks

RBA-Infotech Update Github-Actions-Build-Image-Deploy.yml ...

a341bed 13 hours ago 15 commits

.github/workflows

Update Github-Actions-Build-Image-Deploy.yml

13 hours ago

src

adding all files

3 weeks ago

Dockerfile

adding all files

3 weeks ago

pom.xml

adding all files

3 weeks ago

Help people interested in this repository understand your project by adding a README.

Add a README

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Actions

[New workflow](#)

All workflows

[Java CI with Maven](#)[Management](#)[Caches](#)[Runners](#)[Beta](#)

All workflows

Showing runs from all workflows

 Filter workflow runs

7 workflow runs

[Event ▾](#) [Status ▾](#) [Branch ▾](#) [Actor ▾](#)

✓ Update demo.yml

Java CI with Maven #5: Commit 4b51afb pushed by Sahith03

master

 45 minutes ago
 1m 29s

✓ Update demo.yml

Java CI with Maven #4: Commit f0ee70c pushed by Sahith03

master

 2 hours ago
 30s

✓ Delete Github-Actions-Build-Image-Deploy.yml

Java CI with Maven #3: Commit d548257 pushed by Sahith03

master

 2 hours ago
 29s

✗ Update demo.yml

Java CI with Maven #2: Commit c6063ee pushed by Sahith03

master

 19 hours ago
 3m 1s

✓ Update demo.yml

Java CI with Maven #2: Commit c6063ee pushed by Sahith03

master

 19 hours ago
 41s

✗ Create demo.yml

Java CI with Maven #1: Commit f39bf2a pushed by Sahith03

master

 yesterday
 1m 24s

✓ Create demo.yml

Java CI with Maven #1: Commit f39bf2a pushed by Sahith03

master

 yesterday
 16s

Day 6 - Cloud

- ▶ Updating demo.yml to build Maven project
- ▶ Docker Image and Docker Containers
- ▶ Docker Registry and Architecture
- ▶ Finishing the yaml file
- ▶ Logging in to Azure account
- ▶ Creating a VM in Azure

master

hello-world-java / Dockerfile

Go to file

t

...

RBA-Infotech addling all files

86ef713 · 3 weeks ago

History

Code

Blame

11 lines (10 loc) · 330 Bytes



Code 55% faster with GitHub Copilot

Raw



```
1 # Build a JAR File
2 FROM maven:3.8.2-jdk-8-slim AS stage1
3 WORKDIR /home/app
4 COPY . /home/app/
5 RUN mvn -f /home/app/pom.xml clean package
6
7 # Create an Image
8 FROM openjdk:8-jdk-alpine
9 EXPOSE 5000
10 COPY --from=stage1 /home/app/target/hello-world-java.jar hello-world-java.jar
11 ENTRYPOINT ["sh", "-c", "java -jar /hello-world-java.jar"]
```

Edit

Preview

Code 55% faster with GitHub Copilot

Spaces

2

No wrap



```
21
22     steps:
23         - uses: actions/checkout@v3
24         - name: Set up JDK 17
25             uses: actions/setup-java@v3
26         with:
27             java-version: '17'
28             distribution: 'temurin'
29             cache: maven
30
31         - name: Build with Maven
32             run: mvn -B package --file pom.xml
33
34         - name: Build Docker Image
35             run: docker build -t sahith03/hello-world-java-demo:0.0.1.Release .
36
37         - name: Login to Docker Hub
38             uses: docker/login-action@v1
39         with:
40             username: ${{ secrets.DOCKER_USERNAME }}
41             password: ${{ secrets.DOCKER_PASSWORD }}
42
43         - name: Push Docker Image
44             run: docker push sahith03/hello-world-java-demo:0.0.1.Release
```

Marketplace

Documentation

Search Marketplace for Actions

Featured Actions



Cache

By actions

3.9k

Cache artifacts like dependencies and build outputs to improve workflow execution time



Setup Node.js environment

By actions

3.1k

Setup a Node.js environment by adding problem matchers and optionally downloading and adding it to the PATH



Close Stale Issues

By actions

1.1k

Close issues and pull requests with no recent activity

Use `Control + Shift + m` to toggle the `tab` key moving focus. Alternatively, use `esc` then `tab` to move to the next interactive element on the page.

Use `Control + Space` to trigger autocomplete in most situations.



Search Docker Hub

Explore Repositories Organizations Help ▾

Upgrade

sahith03 ▾

Explore > sahith03/hello-world-java-demo > 0.0.1.Release



sahith03/hello-world-java-demo:0.0.1.Release

Delete Tag

DIGEST: sha256:0d1304f71520f65844fb95d9082b6ae2878be4b7b556c927accab7afdc26ce91

OS/ARCH
linux/amd64

COMPRESSED SIZE ⓘ
84.4 MB

LAST PUSHED
6 minutes ago by [sahith03](#)

TYPE
Image

[Image Layers](#)

[Vulnerabilities](#)

IMAGE LAYERS ⓘ

1 ADD file ... in /

2.63 MB

Command

```
ADD file:a86aea1f3a7d68f6ae03397b99ea77f2e9ee901c5c59e59f76f93adbb4035913 in /
```

2 CMD ["/bin/sh"]

0 B

3 ENV LANG=C.UTF-8

0 B

4 /bin/sh -c { echo '#!/bin/sh';

238 B

[All services >](#)

Resource groups



RavinSoftTech (ravinsofttech.com)

[+ Create](#)[Manage view](#)[Refresh](#)[Export to CSV](#)[Open query](#)[Assign tags](#) Filter for any field...Subscription equals **all**Location equals **all**[Add filter](#)

Showing 1 to 1 of 1 records.

No grouping

List view

 [Name ↑↓](#)

Subscription ↑↓

Location ↑↓

 [RDBH](#)

RDBH

East US

...

< PreviousPage of 1Next >

Give feedback

Day 7 - Case Study

- ▶ Project Management Setup
- ▶ Creating a DevOps project
- ▶ Forking a GitHub repository and creating a feature branch
- ▶ Opening a pull request after making some changes
- ▶ Creating and configuring an Azure VM
- ▶ Deploying VM and connecting it using ssheasy
- ▶ Installing and configuring Maven
- ▶ Successful clean and build of Maven
- ▶ Installing Prometheus and Docker
- ▶ Building and Running Docker Images

Day 7 continued...

- ▶ Listing Docker Images and Containers
- ▶ Creating and deploying an Azure Web App
- ▶ Utilizing GitHub actions to create a new YAML file via workflow
- ▶ Testing the Application in DevOps project with Test plans and suites
- ▶ Closing the Sprints and Project-End formalities
- ▶ Documentation of work done



Azure DevOps sahitvarma03

/ Case Study - Streamline Sol...

/ Boards

/ Work items

Search



SV



Case Study - Streamlin...



Overview



Boards



Work items



Boards



Backlogs



Sprints



Queries



Delivery Plans



Analytics views



Repos



Pipelines



Test Plans



Project settings

Thank you for trying the new boards hub preview. If you experience any issues, please [report the bug](#). If your issue is blocking, you can disable the preview by following [these steps](#).

Work items

Recently updated

+ New Work Item

Open in Queries

Column Options

...



Filter by keyword

Types

Assigned to

States

Area

Tags

X

ID	Title	Assigned To	State	Area
83	👑 Epic 1	👤 Unassigned	● New	Case
84	🏆 Feature 1	👤 Unassigned	● New	Case
85	🏆 Feature 2	👤 Unassigned	● New	Case
87	☰ User Story 2	👤 Unassigned	● New	Case
89	FAG Test 1	👤 Sahith Varma	● Design	Case



Azure DevOps

sahithvarma03 / Case Study - Streamline Sol...

/ Boards

/ Boards

Search



SV

cs Case Study - Streamlin... +

Overview

Boards

Work items

Boards

Backlogs

Sprints

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Delivery Plans

Analytics views

Repos

Pipelines

Test Plans

Project settings

ⓘ Thank you for trying the new boards hub preview. If you experience any issues, please report the bug. If your issue is blocking, you can disable the preview by following these steps. X

Case Study - Streamline Solutions Team

Board

Analytics

View as backlog

Backlog items

New

Approved

0/5

Committed

0/5

Done

<

+ New item

87 User Story 2

New

1/1

86 User Story 1

Done

1/1



Azure DevOps sahitvarma03

/ Case Study - Streamline Sol...

/ Boards

/ Backlogs

 Search

cs Case Study - Streamlin...

[Overview](#)[Boards](#)[Work items](#)[Boards](#)[Backlogs](#)[Sprints](#)[Queries](#)[Delivery Plans](#)[Analytics views](#)[Repos](#)[Pipelines](#)[Test Plans](#)[Project settings](#)

Thank you for trying the new boards hub preview. If you experience any issues, please report the bug. If your issue is blocking, you can disable the preview by following these steps.

Case Study - Streamline Solutions Team

[Backlog](#)[Analytics](#)[+ New Work Item](#)[View as Board](#)[Backlog items](#)

Order

Work Item Type

Title

- | | | |
|-------------------|----------|--------------|
| Epic | ▽ | Epic 1 |
| Feature | ▽ | Feature 2 |
| Product Backlo... | ▽ | User Story 2 |
| Task | checkbox | Task 2 |

Planning

Drag and drop work items to include them in a sprint.

Case Study - Streamline Solutions Team

Sprint 1

Planned Effort: -

1 1

Sprint 2

Planned Effort: -

1 1

Sprint 3

No work scheduled yet

shell_7_foundation_Java_Spring

Public

forked from [hrb1989/shell_7_foundation_Java_Spring](#)

Pin

Watch 0

Fork 122

Star 0

feature-2

2 branches 0 tags

Go to file

Add file

Code

Switch branches/tags

Find or create a branch...

Branches

Tags

main

default

feature-1

✓ feature-2

[View all branches](#)

.gitattributes

Initial push

20a5c0d 9 hours ago



2 commits

.gitignore

Initial push

9 hours ago

LICENSE.txt

Initial push

9 hours ago

README.md

Create README.md

9 hours ago

mvnw

Initial push

9 hours ago

mvnw.cmd

Initial push

9 hours ago

pom.xml

Initial push

9 hours ago

foundation_Java_Spring:main.



Contribute Sync fork

About

This is a repo created for shell_7_foundation_Java_Spring

[Readme](#)

[Apache-2.0 license](#)

[Activity](#)

[0 stars](#)

[0 watching](#)

[122 forks](#)

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Sahith03 / shell_7_foundation_Java_Spring

Type to search | | | | | | |

Code Pull requests Actions Projects Wiki Security Insights Settings

feature-1 shell_7_foundation_Java_Spring Go to file Add file ...

 Sahith03 Create hello.txt 989f834 · now History

This branch is 1 commit ahead of [hrb1989/shell_7_foundation_Java_Spring:main](#).

Contribute Sync fork

Name	Last commit message	Last commit date
.mvn/wrapper	Initial push	9 hours ago
src	Initial push	9 hours ago
.editorconfig	Initial push	9 hours ago
.gitattributes	Initial push	9 hours ago
.gitignore	Initial push	9 hours ago
LICENSE.txt	Initial push	9 hours ago
README.md	Create README.md	9 hours ago
hello.txt		

 This branch is 1 commit ahead of [hrb1989/shell_7_foundation_Java_Spring:main](#)

Open a pull request to contribute your changes upstream.

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

Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20230828135242 | Overview >

SahithVM Virtual machine

Search Connect Start Restart Stop Capture Delete Refresh Open in mobile Feedback CLI / PS

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Networking Connect Disks Size Microsoft Defender for Cloud Advisor recommendations Extensions + applications Availability + scaling Configuration Identity

Essentials

Resource group ([move](#)) RDBM Operating system Linux (ubuntu 20.04)
Status Running VM availability status -
Location East US 2 Size Standard (S0, 4 GiB memory)
Subscription ([move](#)) RDBM Public IP address [Copied](#) [20.7.60.138](#)
Subscription ID 731374fd-6cc5-4991-b9a6-d83a1a88d37d Virtual network/subnet [SahithVM-vnet/default](#)
Health state - DNS name [Not configured](#)
Tags ([edit](#)) [Add tags](#)

Properties Monitoring Capabilities (7) Recommendations Tutorials

Virtual machine Computer name SahithVM
Operating system Linux (ubuntu 20.04)

Networking Public IP address [20.7.60.138](#) (Network interface [sahithvm254](#))

JSON View



Connected to azureuserSV@20.7.60.138

```
Expanded Security Maintenance for Applications is not enabled.  
0 updates can be applied immediately.  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status
```

```
The list of available updates is more than a week old.  
To check for new updates run: sudo apt update
```

```
The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/*copyright.
```

```
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.
```

```
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.
```

```
azureuserSV@SahithVM:~$ 
```

Find

Match Case

Find Next

Find Previous

File Manager > home > azureuserSV



Connected to azureuserSV@20.7.60.138

```
Adding debian:CFCA_EV_ROOT.pem
Adding debian:E-Tugra_Global_Root_CA_RSA_v3.pem
Adding debian:ISRG_Root_X2.pem
Adding debian:GlobalSign_Root_R46.pem
Adding debian:Security_Communication_RootCA3.pem
Adding debian:AC_RAIZ_FNMT-RCM.pem
Adding debian:QuoVadis_Root_CA_3_G3.pem
Adding debian:HARICA_TLS_RSA_Root_CA_2021.pem
Adding debian:NAVER_Global_Root_Certification_Authority.pem
Adding debian:vTrus_Root_CA.pem
Adding debian:ISRG_Root_X1.pem
Adding debian:TunTrust_Root_CA.pem
Adding debian:GDCA_TrustAUTH_R5_ROOT.pem
Adding debian:Trustwave_Global_ECC_P256_Certification_Authority.pem
Adding debian:TeliaSonera_Root_CA_v1.pem
Adding debian:Certum_Trusted_Network_CA_2.pem
done.
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for ca-certificates (20230311ubuntu0.20.04.1) ...
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.
Running hooks in /etc/ca-certificates/update.d...
```

Find

Match Case

Find Next

Find Previous

File Manager ➤ home ➤ azureuserSV



▼ home



Connected to azureuserSV@20.7.60.138

```
Setting up libjs-mustache (2.3.2-1) ...
Setting up libjs-jquery-hotkeys (0~20130707+git2d51e3a9+dfsg-2ubuntu1) ...
Setting up libjs-bootstrap (3.4.1+dfsg-1) ...
Setting up libjs-eonasdan-bootstrap-datetimepicker (4.17.47-3) ...
Setting up moreutils (0.63-1) ...
Setting up nodejs (10.19.0~dfsg-3ubuntu1) ...
update-alternatives: using /usr/bin/nodejs to provide /usr/bin/js (js) in auto mode
Setting up libjs-rickshaw (1.5.1.dfsg-2) ...
Setting up node-jquery (3.4.0+dfsg-1) ...
Setting up prometheus-node-exporter.Collectors (0+git20200110.fc91c86-1) ...
Created symlink /etc/systemd/system/timers.target.wants/prometheus-node-exporter-apt.timer → /lib/
node-exporter-apt.timer.
Created symlink /etc/systemd/system/timers.target.wants/prometheus-node-exporter-ipmitool-sensor.
/prometheus-node-exporter-ipmitool-sensor.timer.
Created symlink /etc/systemd/system/timers.target.wants/prometheus-node-exporter-mellanox-hca-temp.
/prometheus-node-exporter-mellanox-hca-temp.timer.
Created symlink /etc/systemd/system/timers.target.wants/prometheus-node-exporter-smartmon.timer →
heus-node-exporter-smartmon.timer.
Setting up prometheus (2.15.2+ds-2) ...
Created symlink /etc/systemd/system/multi-user.target.wants/prometheus.service → /lib/systemd/sys
Processing triggers for systemd (245.4-4ubuntu3.22) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for fontconfig (2.13.1-2ubuntu3) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
```

connected to azureuserSV@20.7.60.138

```
notations-2.15.2.jar  
nloaded from central: https://repo.maven.apache.org/maven2/com/fasterxml/jackson/core/jackson-annotations-2.15.2.jar (76 kB at 57 kB/s)  
nloading from central: https://repo.maven.apache.org/maven2/com/fasterxml/jackson/core/jackson-core/2.15.2.jar  
nloaded from central: https://repo.maven.apache.org/maven2/com/fasterxml/jackson/core/jackson-core/2.15.2.jar (549 kB at 407 kB/s)  
nloading from central: https://repo.maven.apache.org/maven2/com/fasterxml/jackson/module/jackson-module-jackson-module-parameter-names-2.15.2.jar  
nloaded from central: https://repo.maven.apache.org/maven2/com/fasterxml/jackson/module/jackson-module-parameter-names-2.15.2.jar (10 kB at 7.6 kB/s)  
nloading from central: https://repo.maven.apache.org/maven2/org/testcontainers/junit-jupiter/1.18.3/junit-jupiter-1.18.3.jar  
nloaded from central: https://repo.maven.apache.org/maven2/org/testcontainers/junit-jupiter/1.18.3/junit-jupiter-1.18.3.jar (12 kB at 8.6 kB/s)  
nloading from central: https://repo.maven.apache.org/maven2/org/testcontainers/mysql/1.18.3/mysql-1.18.3.jar  
nloaded from central: https://repo.maven.apache.org/maven2/org/testcontainers/mysql/1.18.3/mysql-1.18.3.jar (1.1 MB at 1.1 MB/s)  
nloading from central: https://repo.maven.apache.org/maven2/org/testcontainers/jdbc/1.18.3/jdbc-1.18.3.jar  
nloaded from central: https://repo.maven.apache.org/maven2/com/github/docker-java/docker-java-transport/3.3.0/docker-java-transport-zerodep-3.3.0.jar (2.0 MB at 1.5 MB/s)  
nloading from central: https://repo.maven.apache.org/maven2/org/testcontainers/database-commons/1.18.3/database-commons-1.18.3.jar  
gress (4): 2.9/12 MB | 1.4/1.9 MB | 1.1/1.6 MB | 16/29 kB
```

[All services](#) >

Create Web App



Project Details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *

RDBM

Resource Group *

RDBM

[Create new](#)

Instance Details

Need a database? [Try the new Web + Database experience.](#)

Name *

SahithApp

.azurewebsites.net

Publish *

Code Docker Container Static Web App

Operating System *

Linux Windows

Region *

East US 2

Not finding your App Service Plan? Try a different region or select your App Service Environment.

[Edit](#)[Preview](#)[Code 55% faster with GitHub Copilot](#)

Spaces

2

No wrap



```
36      - name: Set up JDK 17
37        uses: actions/setup-java@v3
38        with:
39          java-version: '17'
40          distribution: 'temurin'
41          cache: maven
42      - name: Build with Maven
43        run: mvn clean install -DskipTests --file pom.xml
44
45
46
47      - name: Build Docker Image
48        run: docker build -t sahit03/streamline:0.0.2.Release .
49
50
51
52      - name: Login to Docker Hub
53        uses: docker/login-action@v1
54        with:
```

Use `Control + Shift + m` to toggle the `tab` key moving focus. Alternatively, use `esc` then `tab` to move to the next interactive element on the page.

Use `Control + Space` to trigger autocomplete in most situations.

[Marketplace](#)[Documentation](#) Search Marketplace for Actions

Featured Actions

[Setup Node.js environment](#)

3.1k

By actions Setup a Node.js environment by adding problem matchers and optionally downloading and adding it to the PATH

[Upload a Build Artifact](#)

2.4k

By actions Upload a build artifact that can be used by subsequent workflow steps

[Setup Go environment](#)

1.2k

By actions Setup a Go environment and add it to the PATH

cs Case Study - Streamlin... +

Overview Boards Repos Pipelines Test Plans Test plans Progress report Runs Artifacts

Thank you for trying the new boards hub preview. If you experience any issues, please [report the bug](#). If your issue is blocking, you can disable the preview by following [these steps](#).

← Case Study - Strea... Aug 28 - Sep 4 Current 0% run. [View report](#)

Test Suites

- Case Study - Streamline Solutions Team_Stories_Sp
 - 87 : User Story 2 (1)

87 : User Story 2 (ID: 92) Help

Execute Chart

Test Points (1 item) Run for web application

- Title
- Test 1

Azure DevOps sahithvarma03 / Case Study - Streamline Sol... / Boards / Sprints

Search

Case Study - Streamlin...

Overview

Boards

Work items

Boards

Backlogs

Sprints

Queries

Delivery Plans

Analytics views

Repos

Pipelines

Test Plans

Thank you for trying the new boards hub preview. If you experience any issues, please [report the bug](#). If your issue is blocking, you can disable the preview by following [these steps](#).

Case Study - Streamline Solutions Team

No iteration dates Set dates

Taskboard Backlog Capacity Analytics

Sprint 2 Person: All

To Do In Progress Done

87 User Story 2

New Unassigned

+

93 Task 2

Done Unassigned

Custom Bootcamp

29-AUG-2023 TO 1-SEP-2023

Day 1 – DBMS and DW

- ▶ Introduction to DBMS
- ▶ Types of Data and the abundance of data
- ▶ 3D Data – Facts and Dimensions
- ▶ File System and its disadvantages
- ▶ ACID properties in DBMS Transactions
- ▶ RDBMS and Data Models
- ▶ Primary and Foreign Keys
- ▶ Entity-Relationship (ER) Model
- ▶ Functional Dependency and its types
- ▶ Normalization – 1NF, 2NF, 3NF

Day 1 continued...

- ▶ Overview of Data Warehousing
- ▶ Data Warehouse Architectures
- ▶ Components of DW solutions and ETL
- ▶ DW Design – OLTP, OLAP
- ▶ Schema and Dimensional Models
- ▶ Types of Measures and Fact Tables

Day 2 – Big Data and Azure Services

- ▶ Introduction and Need for Big Data
- ▶ Churning and Scaling
- ▶ Why new tools?
- ▶ Hadoop Components and Architecture
- ▶ YARN, HDFS, Resource and Node Manager
- ▶ RAID and IDM
- ▶ Azure Cloud Computing
- ▶ Compute, Networking and Storage
- ▶ Cloud Models
- ▶ CapEx and OpEx

Day 2 continued...

- ▶ Cloud Benefits
- ▶ Consumption-based models and Availability models
- ▶ Cloud Services and Shared Responsibility Model
- ▶ Azure Architectural Components and Subscriptions
- ▶ Azure Resources and Management Groups
- ▶ Azure VMs, Compute Services and Storage Services
- ▶ Azure Active Directory
- ▶ Cost Management and Governance
- ▶ Pricing Calculator and Tags



⚠ Not secure | 104.40.93.75



Welcome to Azure! My name is my-vm.

Home > sahithstore | Containers >

democontainer ...

Container

Search



Upload

Change access level

Refresh

Delete

Change tier

Acquire lease

Break lease

View snapshots



Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Shared access tokens

Access policy

Properties

Metadata

Authentication method: Access key ([Switch to Azure AD User Account](#))

Location: democontainer

Search blobs by prefix (case-sensitive)



Show deleted blobs

Add filter

Name	Modified	Access tier	Archive status	Blob type
<input type="checkbox"/> yaml file.txt	8/30/2023, 3:25:32 PM	Hot (Inferred)		Block blob

Day 3 – Azure SQL

- ▶ Sources of data storage
- ▶ Storage Accounts and Data Lake
- ▶ Azure Databricks, CosmosDB, SQL Databases
- ▶ Azure Synapse and Stream Analytics
- ▶ Azure Data Factory and Data Catalog
- ▶ Transact SQL
- ▶ Relational Databases
- ▶ Schemas and Object Names
- ▶ DDL, DML, DCL
- ▶ Part Names

Day 3 continued...

- ▶ SQL Statement Types
- ▶ Select, From, Where, Group By, Having, Order By
- ▶ SQL Query Editor
- ▶ Constraints and NULL values
- ▶ SELECT Statement and Data types
- ▶ Sorting and Filtering Results
- ▶ Top, Offset-Fetch Keywords to limit and page through sorted results
- ▶ Removing duplicates with Distinct Keyword
- ▶ Filtering using Predicates

Create SQL Database Server

Microsoft

Server details

Enter required settings for this server, including providing a name and location. This server will be created in the same subscription and resource group as your database.

Server name *

sqlserver3108 ✓
.database.windows.net

Location *

(US) East US ▼

Authentication

Select your preferred authentication methods for accessing this server. Create a server admin login and password to access your server with SQL authentication, select only Azure AD authentication [Learn more](#) using an existing Azure AD user, group, or application as Azure AD admin [Learn more](#), or select both SQL and Azure AD authentication.

Authentication method

- Use only Azure Active Directory (Azure AD) authentication
- Use both SQL and Azure AD authentication
- Use SQL authentication

Server admin login *

Enter server admin login

sahithserver12 | Networking

SQL server

Search

Locks

Data management

Backups

Deleted databases

Failover groups

Import/Export history

Security

Networking

Microsoft Defender for Cloud

Transparent Data Encryption

Identity

Auditing

Virtual networks

Allow virtual networks to connect to your resource using service endpoints. [Learn more](#)

Add a virtual network rule

Rule	Virtual network	Subnet	Address ran...	Endpoint sta...	Resource gro...	Subscripti...	State
------	-----------------	--------	----------------	-----------------	-----------------	---------------	-------

Firewall rules

Allow certain public internet IP addresses to access your resource. [Learn more](#)

Add your client IPv4 address (136.226.245.78) Add a firewall rule

Rule name	Start IPv4 address	End IPv4 address
Global	0.0.0.0	255.255.255.255

Exceptions

All

Save Discard

sahithdb (sahithserver12/sahithdb) | Query editor (preview) ⭐ ...

SQL database

Search Login New Query Open query Feedback Getting started

Overview Activity log Tags Diagnose and solve problems Query editor (preview)

Query 1

Run Cancel query Save query Export data as Show only Result

```
1 Create table student (
2     sid int primary key,
3     name varchar(50) not null,
4     program varchar(50) default 'cs'
5 );
6 Create table course (
7     cno int primary key,
8     title varchar(50) not null,
9     syllabus varchar(255)
10);
11 Create table courseoffering (
12     secno int unique,
13     room varchar(20),
14     ctime time,
15     semester varchar(10) not null,
16     cyear varchar(255) check (cyear<2024),
17     cno int constraint fk references course (cno),
18     sid int constraint fk references student (sid),
19     iid int constraint fk references instructor (iid),
20     primary key(cno,sid,iid)
21 );
```

Query canceled

Day 4 – Azure SQL continued...

- ▶ Using Joins
- ▶ Inner, Outer, Cross and Self Joins
- ▶ Using Subqueries
- ▶ Scalar or Multi valued subqueries
- ▶ Correlated subqueries
- ▶ Set Operators
- ▶ Union, Except and Intersect
- ▶ Table Expressions and Views
- ▶ Executing Stored Procedures
- ▶ Built-in functions
- ▶ Indexing

```
--Inner Join
select e.empid, dp.departmentname, d.doj from employee e join [dbo].[departmentinfo] d on e.empid=d.empid
JOIN [dbo].[department] dp on dp.departmentid=d.departmentid

--Outer Join
--Left Outer Join
select d.departmentname, dp.doj from [dbo].[department] d left outer join [dbo].[departmentinfo] dp
on d.departmentid=dp.departmentid
--Right Outer Join
select d.departmentname, dp.doj from [dbo].[department] as d right outer join [dbo].[departmentinfo] as dp
on d.departmentid=dp.departmentid
--Full Outer Join
select d.departmentname, dp.doj from [dbo].[departmentinfo] dp full outer join [dbo].[department] as d
on d.departmentid=dp.departmentid

--Cross Join
select d.departmentname, dp.doj from [dbo].[department] d cross join [dbo].[departmentinfo] dp

--Self Join
--ANSI SQL-92
select e.empid as Employee_Id, e.empname, e.empdesignation as Job_Profile, m.managerid as ManagerId, m.empdesignation as Managerial_Designation from
employee e join employee m on m.empid=e.managerid
--ANSI SQL-89
select e.empid as Employee_Id, e.empname, e.empdesignation as Job_Profile, m.managerid as ManagerId, m.empdesignation as Managerial_Designation from
employee e, employee m
where m.empid=e.managerid

--Subqueries
--Single valued subquery
select empid, empname, empdesignation, empsalary from [dbo].[employee]
where empsalary = (select min(empsalary) from [dbo].[employee])

--Multi valued subquery
select empid, empname, empdesignation, empsalary from [dbo].[employee]
where empdesignation in (select empdesignation from [dbo].[employee]
where empdesignation = 'Trainee' or empdesignation = 'Manager')
```

```
--Views
--View Creation
Create view demoview
as
select e.empid, dp.departmentname, d.doj from employee e join [dbo].[departmentinfo] d on e.empid=d.empid
JOIN [dbo].[department] dp on dp.departmentid=d.departmentid

--Stored Procedures(SP)
--Creation of SP
create proc prcTest
as
begin
select * from [dbo].[employee]
end

exec prcTest

--Using SPs
create or alter proc prcTest @empid int,@empname varchar(20)
as
begin
insert into employee (empid, empname) values (@empid, @empname)
print 'Data Inserted Successfully,:~'
select * from employee
end

exec prcTest 10, 'Karl'
```