

15.	To create a storage service using Microsoft Azure	18/10/23
16.	To develop a database and store it in SQL storage using Azure.	18/10/23
17.	To create a web application using Microsoft Azure	18/10/23
18.	To create a application using Microsoft Azure	18/10/23
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20.	To perform Map reduce program using Hadoop	19/10/23

### Experiment No:13

13. To create a Microsoft azure account and resources

Experiment No:

13) Aim: To create microsoft Azure <sup>account</sup> and resources in it

Apparatus required: Microsoft azure, internet.

procedure:  
→ First open browser and search microsoft azure.

→ Click on the free version for students.

→ Login with credentials and code provided

→ provide username and saveethamailid for login.

→ It open the interface for azure to login

→ Enter the credentials like Name, Email, Region etc.

→ The account is created for microsoft azure

→ Next click on the create resources.

→ There provide username and groupname and servers

→ Next click on create and review option

→ At last click on create option.

→ Deployment process is generated.

→ Next the click on resources to view the data.

Result The creation of account for microsoft azure and resource creation has been successfully created and deployed using Azure.

Resources group  
↑ create  
@ Manage view v ↻ Refresh ↓ Export to CSV

\* Basic Tags Review create

Project detail

Subscription Azure for student

Resource group [redacted]

Resource detail

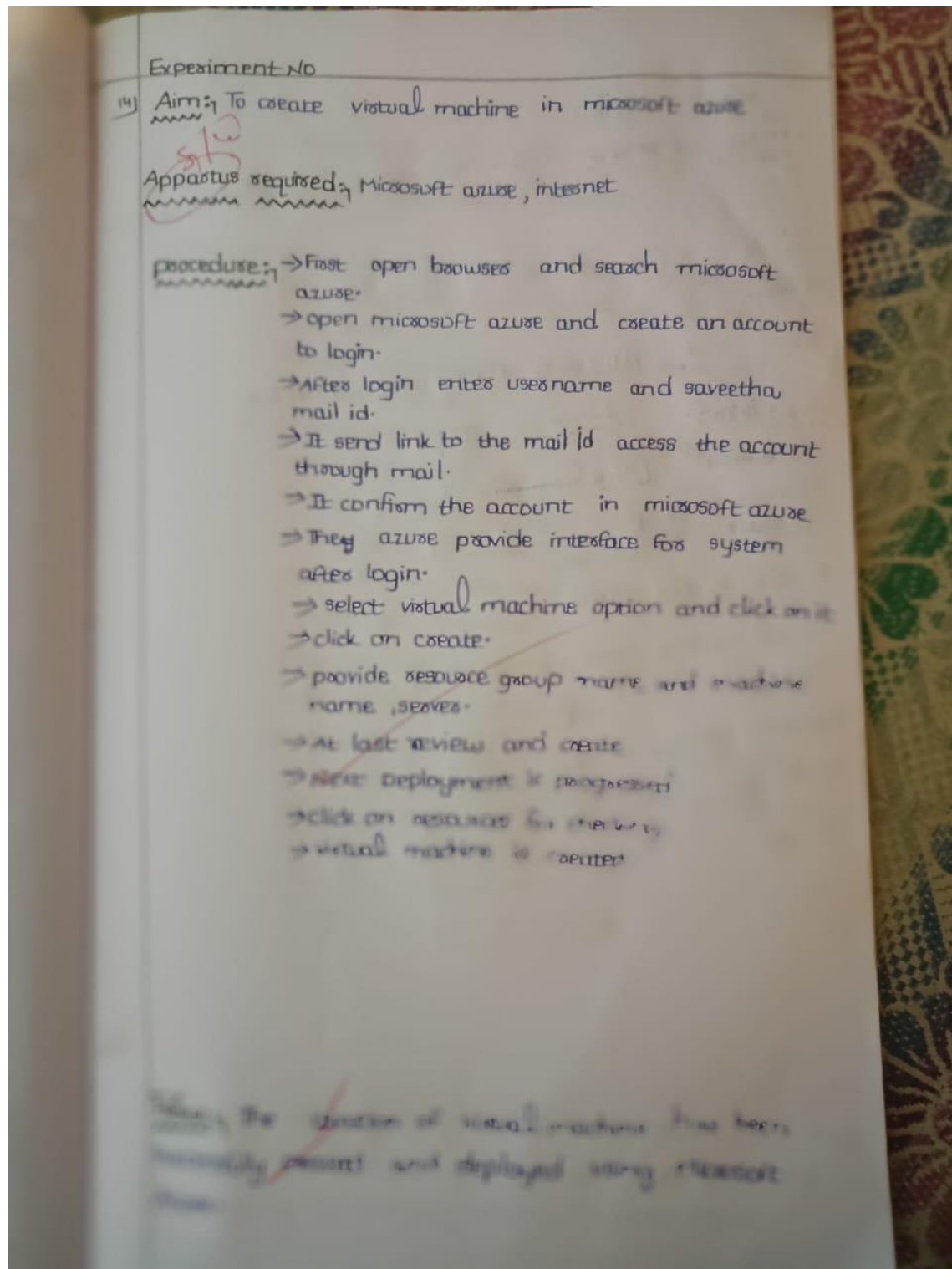
Region [redacted]

→ Next click on create and review option  
→ At last click on create option  
→ Deployment process is generated.  
→ Next the click on resources to view the data



## Experiment No:14

14.To create a virtual machine in Microsoft azure



Resource group

rotate



Manage view v Refresh & Export to sv

create

\* Basic Tags Review create

project detail

subscription

Azure for student

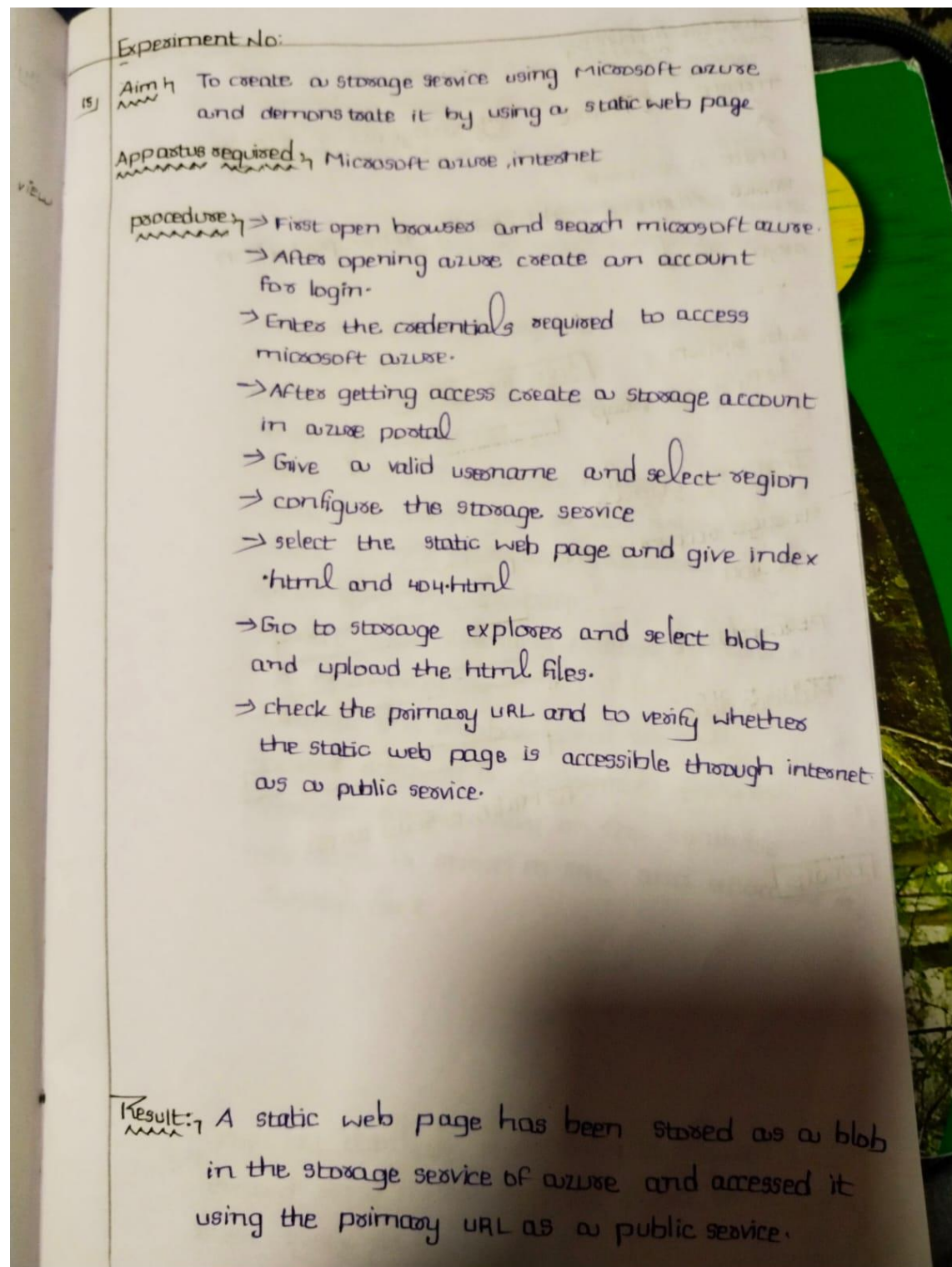
Resource group

Resource detail

Region

## Experiment No:15

### 15. To create a storage service using Microsoft azure



Storage accounts

Create

Restore



Manage view

Refresh

Create a account

Basics Advanced

Networking

Data protection

Project detail

Subscription

Azure for student

Resource group

Instance detail

Storage account name

Region

Performance

Redundancy

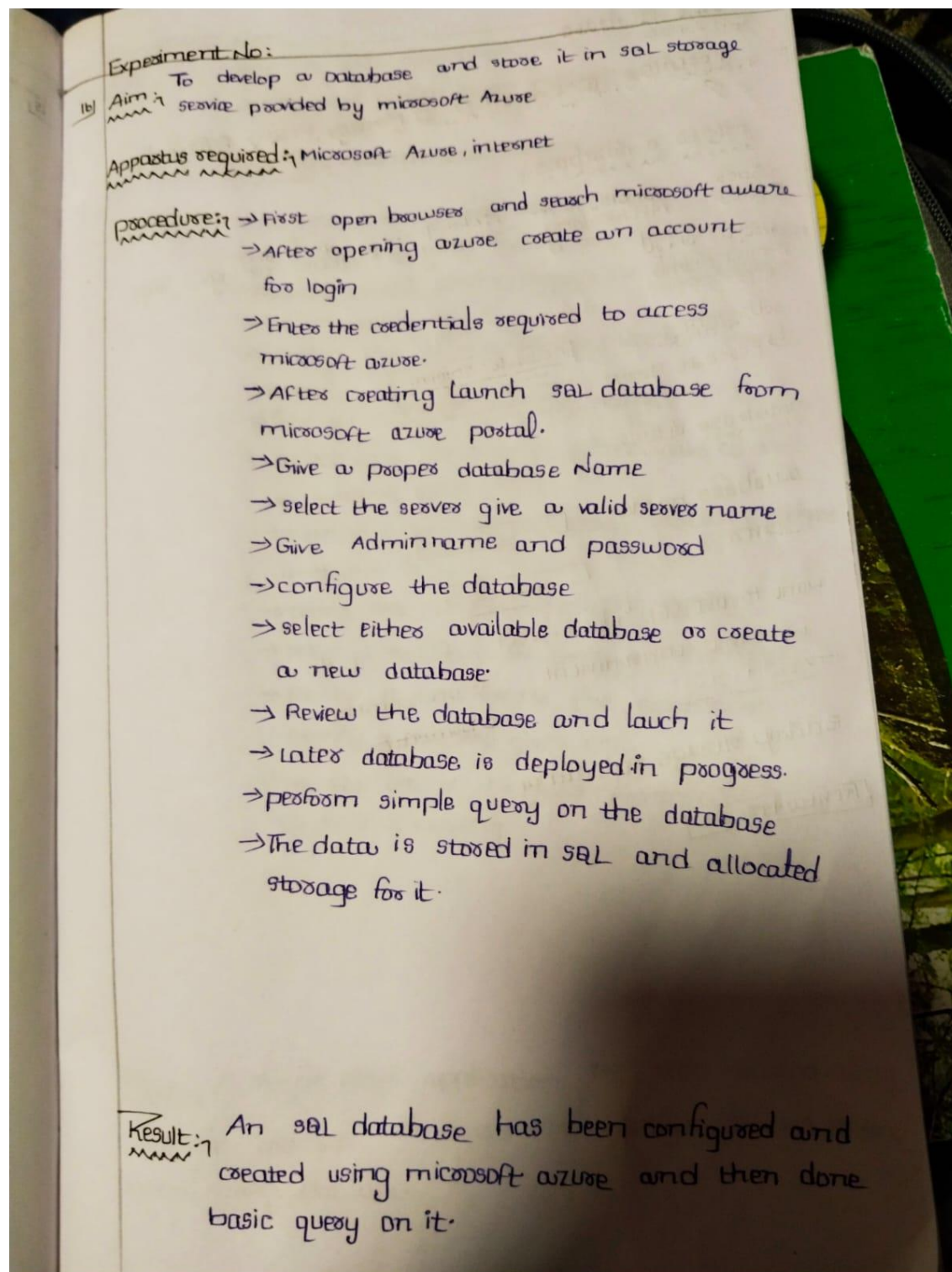
Make a read access

Create



## Experiment No:16

16. To develop a database and store it in SQL storage using Microsoft Azure





## SQL database

+ create

☐ Reservation

☒ Manage view v

☐ Refresh

create a database ;

Basics

Networking

Security

Additional settings

Tags

Project details

Subscription

Azure for student

↳ Resource group

Database details

Database name

Servers

Want to use SQL elastic pool

☐ Yes

☐ No

Workload environment

☒ Development

☐ Production

Backup storage redundancy

Review + create

## Experiment No:17

17. To create a web application using Microsoft azure

Experiment No:

17) Aim: To create a web application using Microsoft Azure and deploy and publish it on internet and access

Apparatus required: Microsoft azure, internet

procedure:

- First open browser and search Microsoft azure
- After opening azure create an account to login
- Provide email, Name, Region etc to access the Microsoft azure.
- Launch the app service in Microsoft azure portal
- Give a valid web app name
- Select code and select either Java or .net as runtime stack
- Select the preferred web server stack i.e either Tomcat or JBoss.
- Select the preferred operating system
- Select the region for deploying the app
- Review it and create the application
- Deploy it on the given URL
- Use the URL of the web app and check to see if it is working

Result: A simple cloud application has been created using Java or Tomcat web server and deployed. It has been tested using the URL.

App service

+ create



create

Basic

Deployment

Networking

Monitoring

Tag

Project detail

Subscription

Azure for student

Resource group

Instance detail

Name

web app

publish

code

docker container

static web app

Run stack

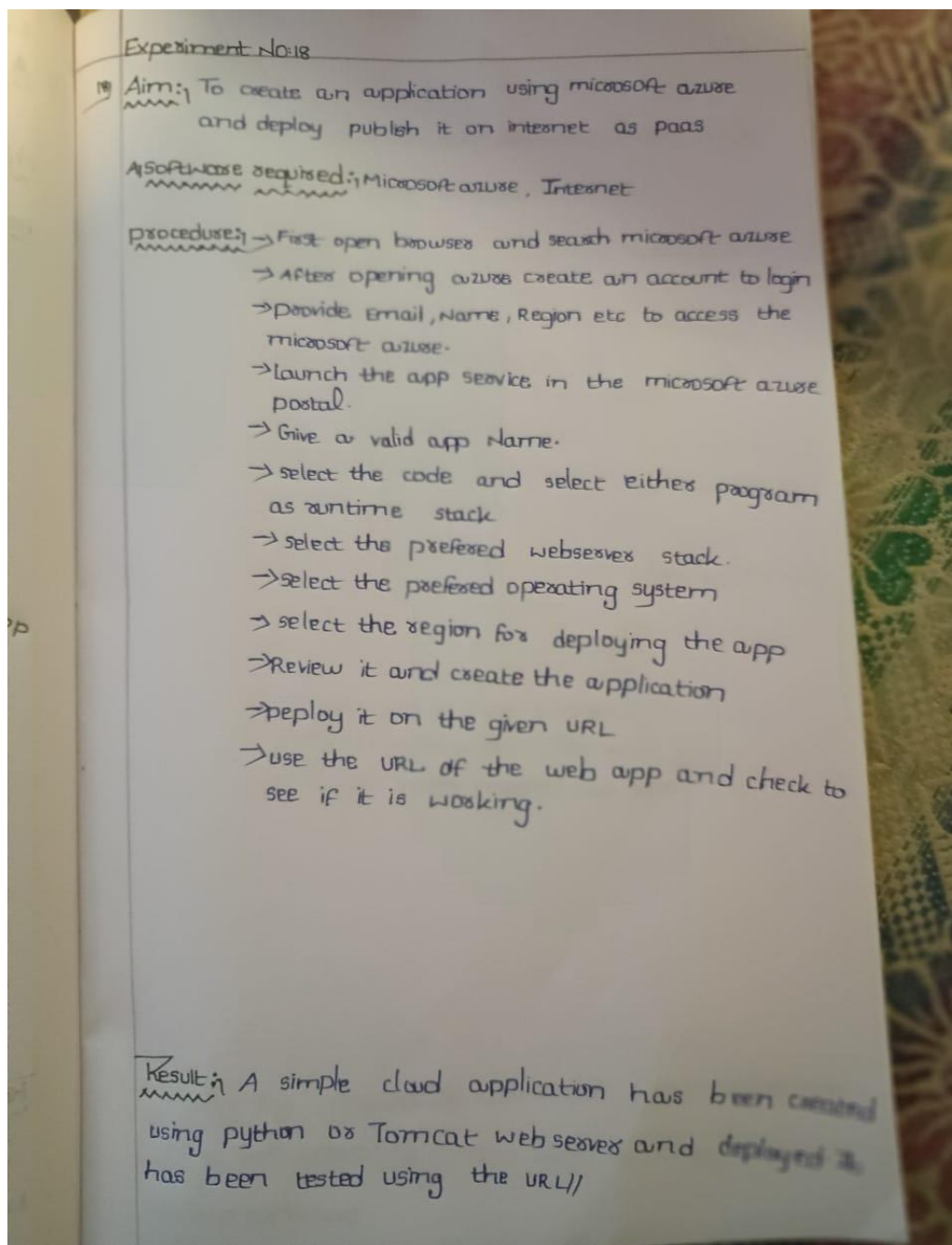
Region

Review + create



## Experiment No:18

18. To create an application using Microsoft azure



App service

+ create



create

Basic

Deployment

Networking

Monitoring

Tag

Project detail

Subscription

Azure for student

Resource group

Instance detail

Name

web app

Publish

code

Docker container

Static web app

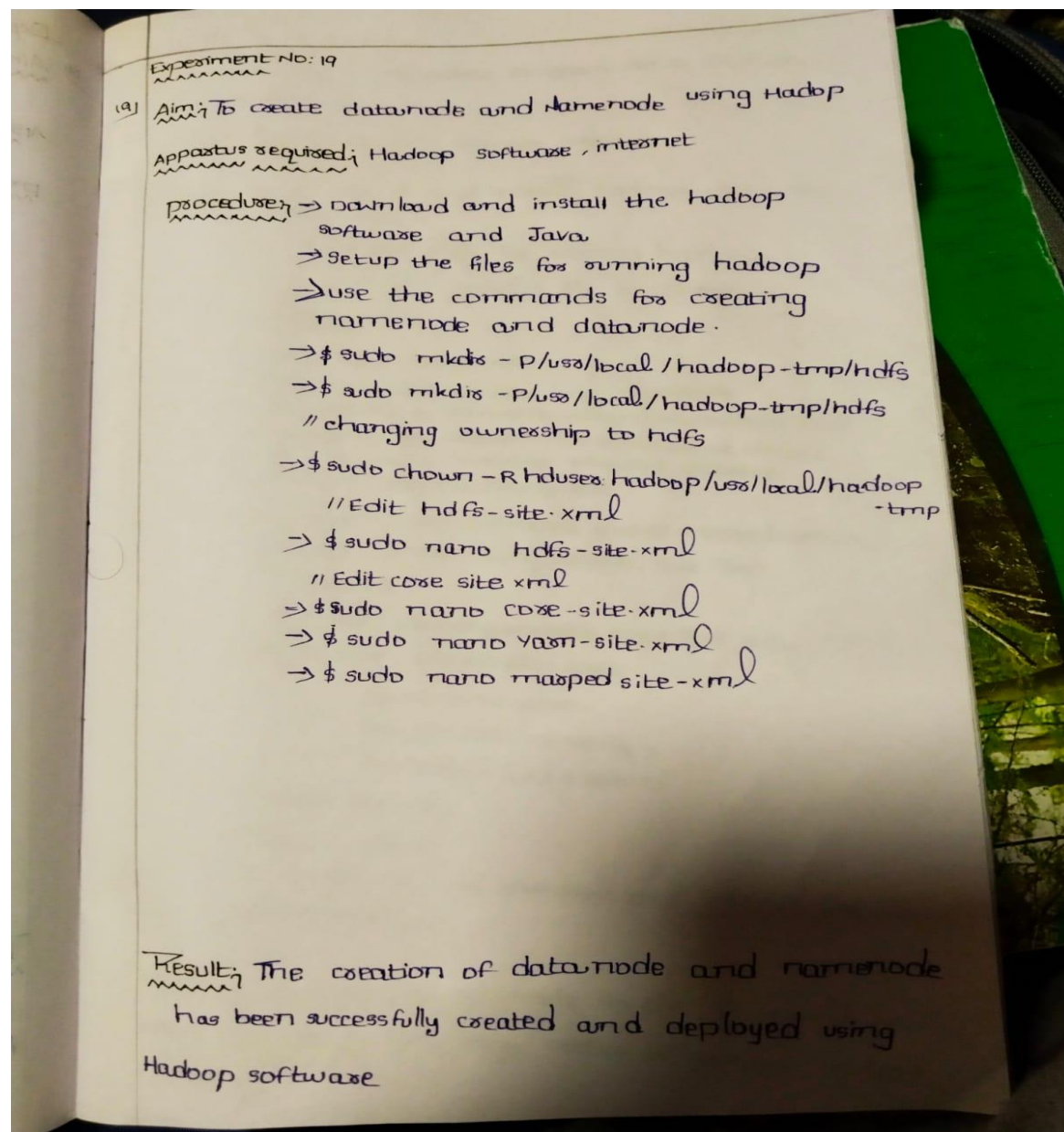
Run stack

Region

Review + create

## Experiment No:19

19. To create a Data node and name node in Hadoop architecture





## Experiment No:20

20. To create a map reduce program in java using Hadoop

