Assignment Questions

Create the Following Patterns:

```
1
2 3
4 5 6
7 8 9 10
```

Read 'n' and generate Fibonacci numbers less than or equal to n

Write a script to print chess board

Write a script to print the following system information
   Currently logged users
   Your shell directory
   Home directory
   OS name & version
   Current working directory
   Number of users logged in
   Show all available shells in your system
   Hard disk information
   CPU information
   Memory information
   File system information
   Currently running process

Given a Directory write a script to rename all files in that directory

Write script to print content of files from the given number to next given number of lines

Uses pipes or redirection to create an infinite feedback loop

Write a script to locks down file permissions for a particular directory

Write a shell script to check to see if the file "file_path" exists. If it does exist, display "file_path passwords are enabled." Next, check to see if you can write to the file. If you can, display "You have permissions to edit "file_path."" If you cannot, display "You do NOT have permissions to edit "file_path""

Write a Bash script called master.sh that creates access keys for an IAM user and downloads the .CSV file. Creates an instance and transfers the csv file to the instance. Write a bash script called slave.sh and transfer it to the instance. it takes input from .csv file for access keys (created by master.sh) and completes the process of aws configure inside the instance.

Write a bash script to create an instane and an EBS volume. Attach the EBS volume to the instance.

Write a bash script that creates a S3 bucket and hosts a website in it.

Write a bash script to create an instance and display the following informations about the instance as a table.

	Instance ID	Public DNS	Private IP	Region	Enclave Options (enabled/disabled)		

Write a bash script to create an instance and bootstrap user information to create and launch a static website running on it.

Write a python script to create an ec2 instance and a security group and copy a bash script into it. The bash script must install python in the instance.

Write a Bash Script to create a public VPC, Internet gateway, subnet, route table. Create a route for the route table and and attach a Internet Gateway to it. Launch an instance into it and check if it can access internet.

Write terraform configuration codes to create a module named cluster. The module should create a public subnet and private subnet in MYVPC. Launch an instance each into the public subnet and the private subnet. Using remote-exec provisioner configure the public subnet to host a static webpage. The terraform files have to be executed in 3 stages 1. INIT, 2.PLAN, 3. APPLY using a jenkins pipeline

Write a pipeline to build and share the jar file for a java application that creates a form and takes user input. Can you connect the form to a database to store the data

Write terraform configuration files to create 2 virtual machine in virtualbox by using "virtualbox" provider.

Using python create a webpage that serves a user form to get user information. Containerize this application and store it in dockerhub. Using docker deploy this on ar