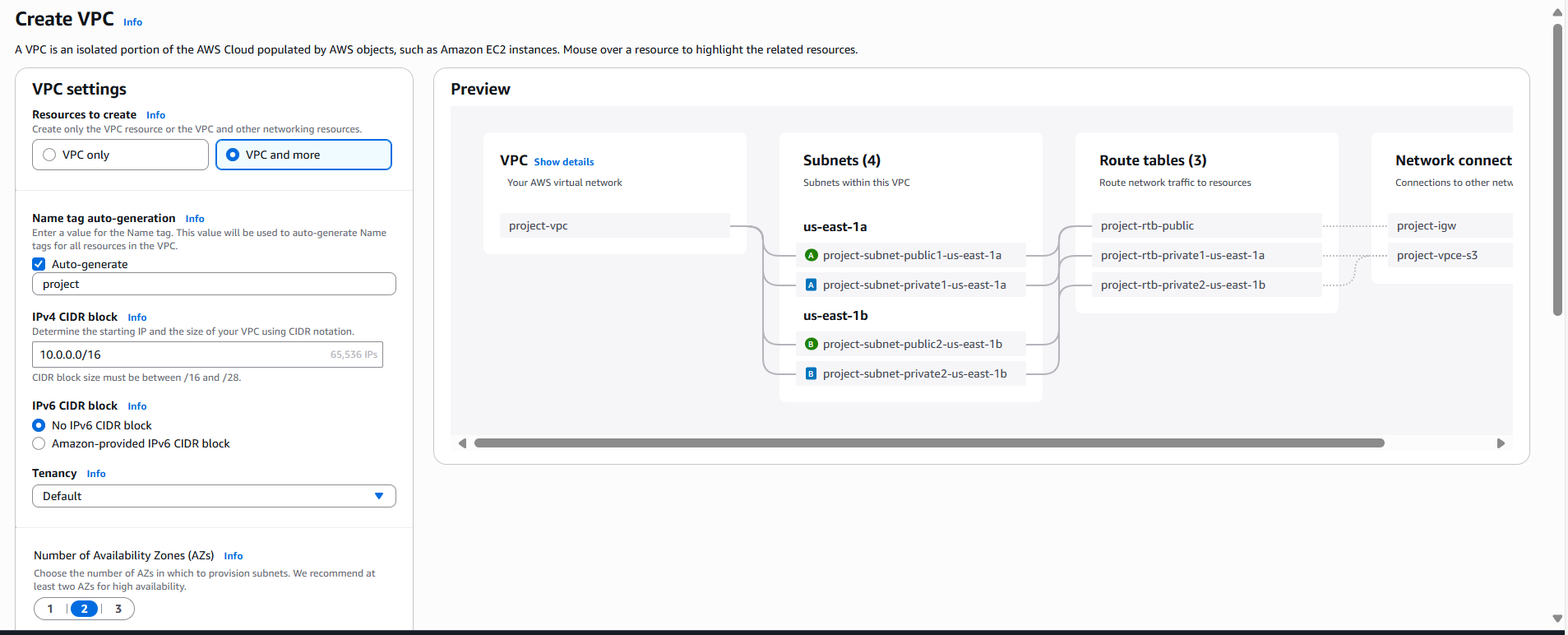
Name : Saurabh Jadhav

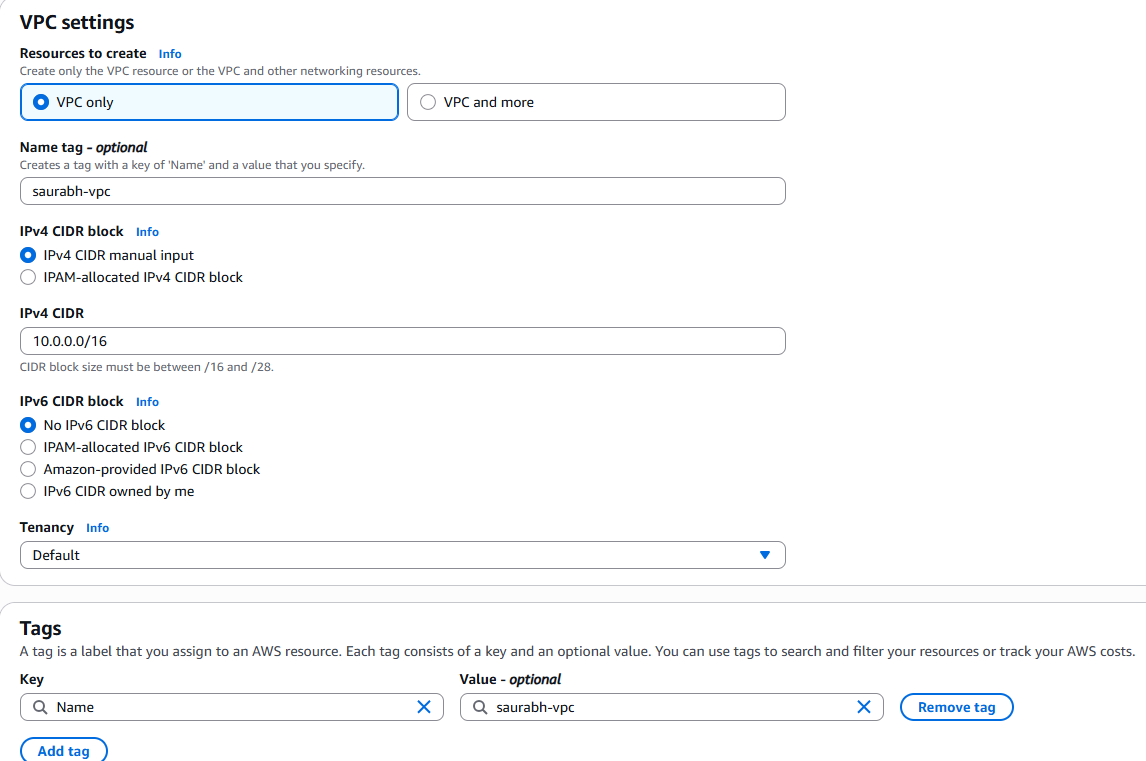
Topic : VPC with public and private subnetting.

Assignment no. : 17

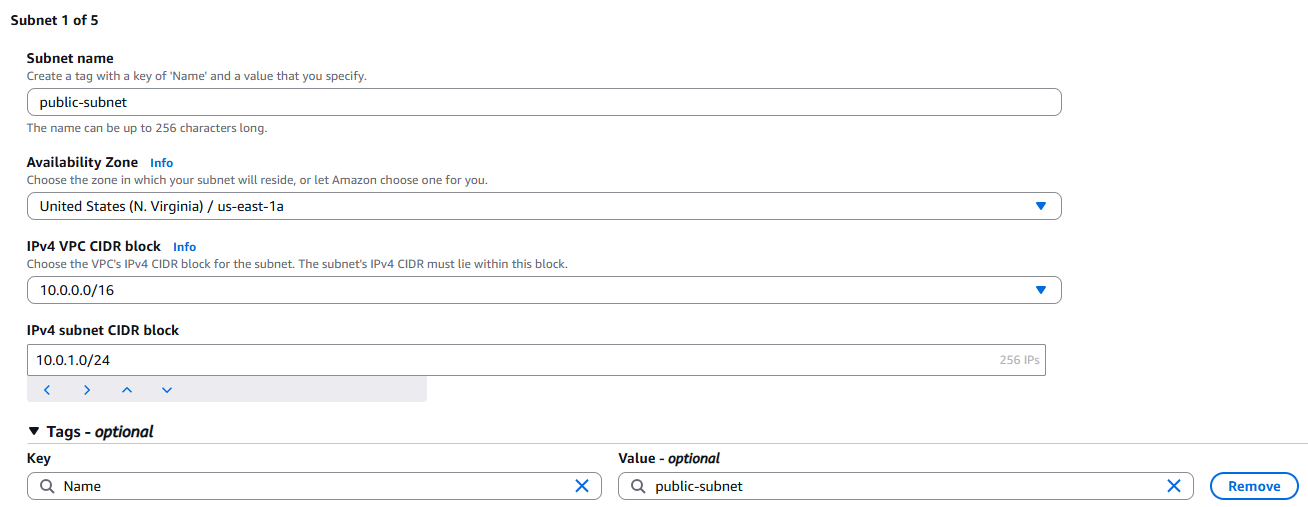
1. Navigate to VPC and click on create VPC



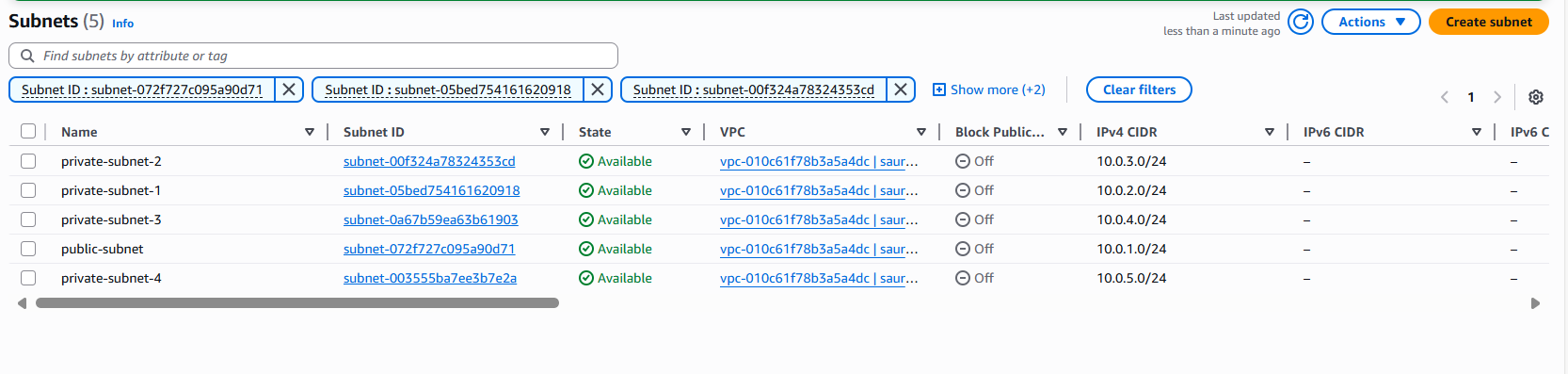
1. Provide details such as name of VPC and IPv4 CIDR, else keep everything as default.



1. Create 5 subnets for VPC.
2. Subnet1 : public-subnet, CIDR : 10.0.1.0/24, select same AZ for all subnet.



1. Subnet2 : private-subnet-1, CIDR: 10.0.2.0/24
2. Subnet3 : private-subnet-2, CIDR: 10.0.3.0/24
3. Subnet4 : private-subnet-3, CIDR: 10.0.4.0/24
4. Subnet5 : private-subnet-4, CIDR: 10.0.5.0/24



1. Create internet gateway

A screenshot of a computer

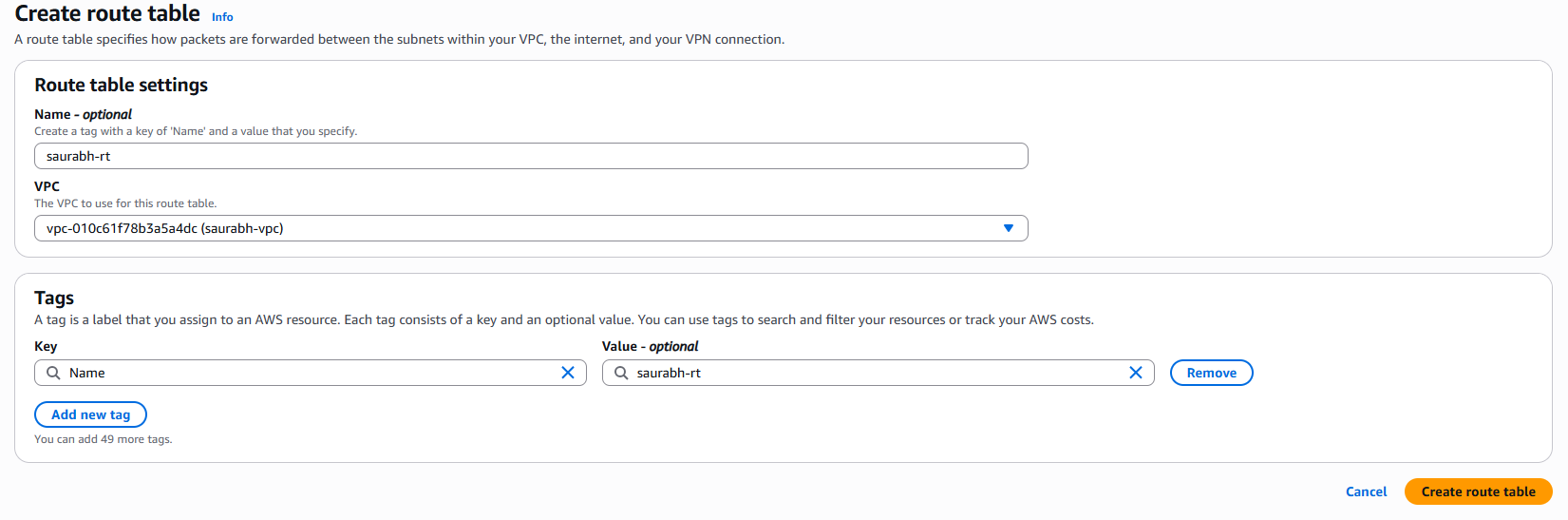
AI-generated content may be incorrect.

Attach Internet gateway to VPC.

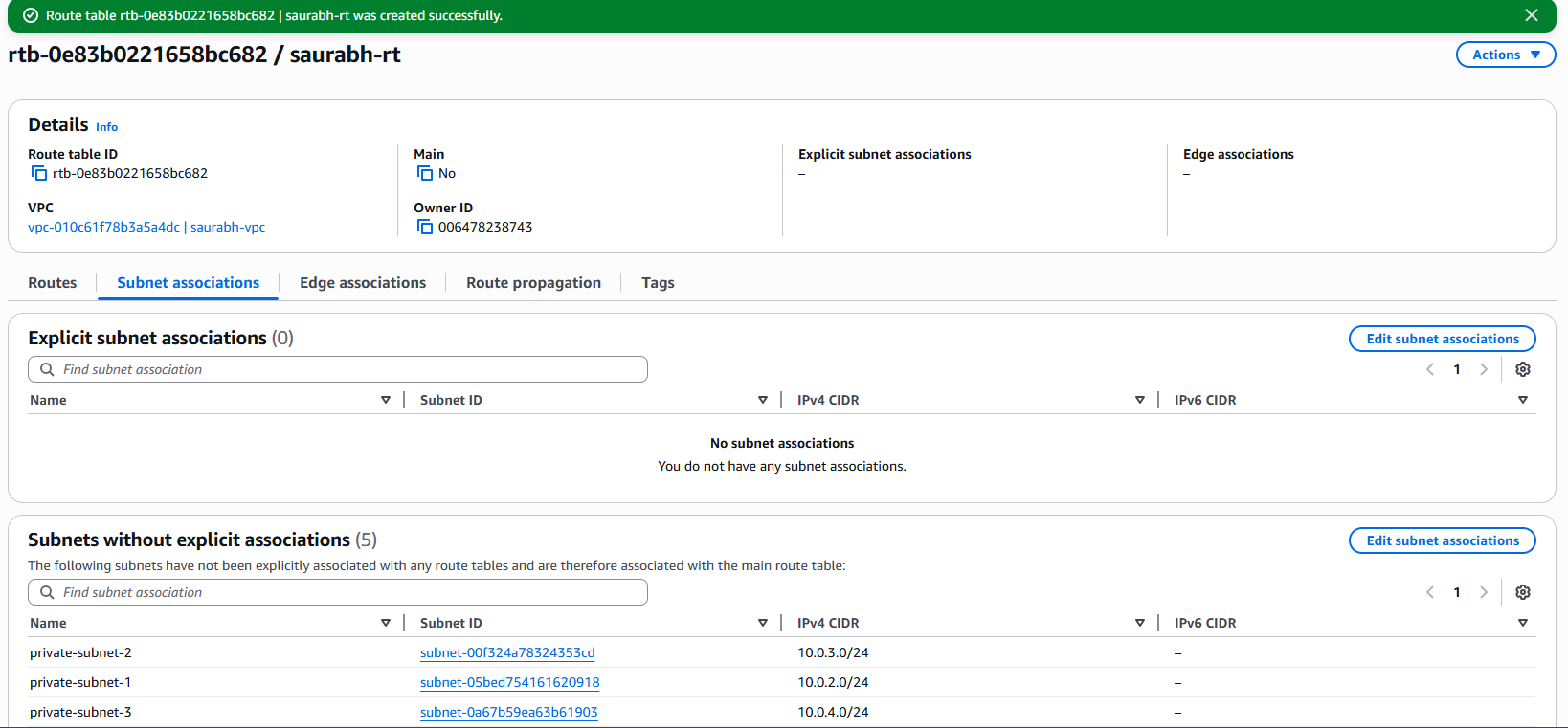
A screenshot of a computer

AI-generated content may be incorrect.

1. Create route table for Saurabh-vpc.



Provide the subnet needs to be associated with route table.



A screenshot of a computer

AI-generated content may be incorrect.

Add route to the route table.

A close-up of a computer screen

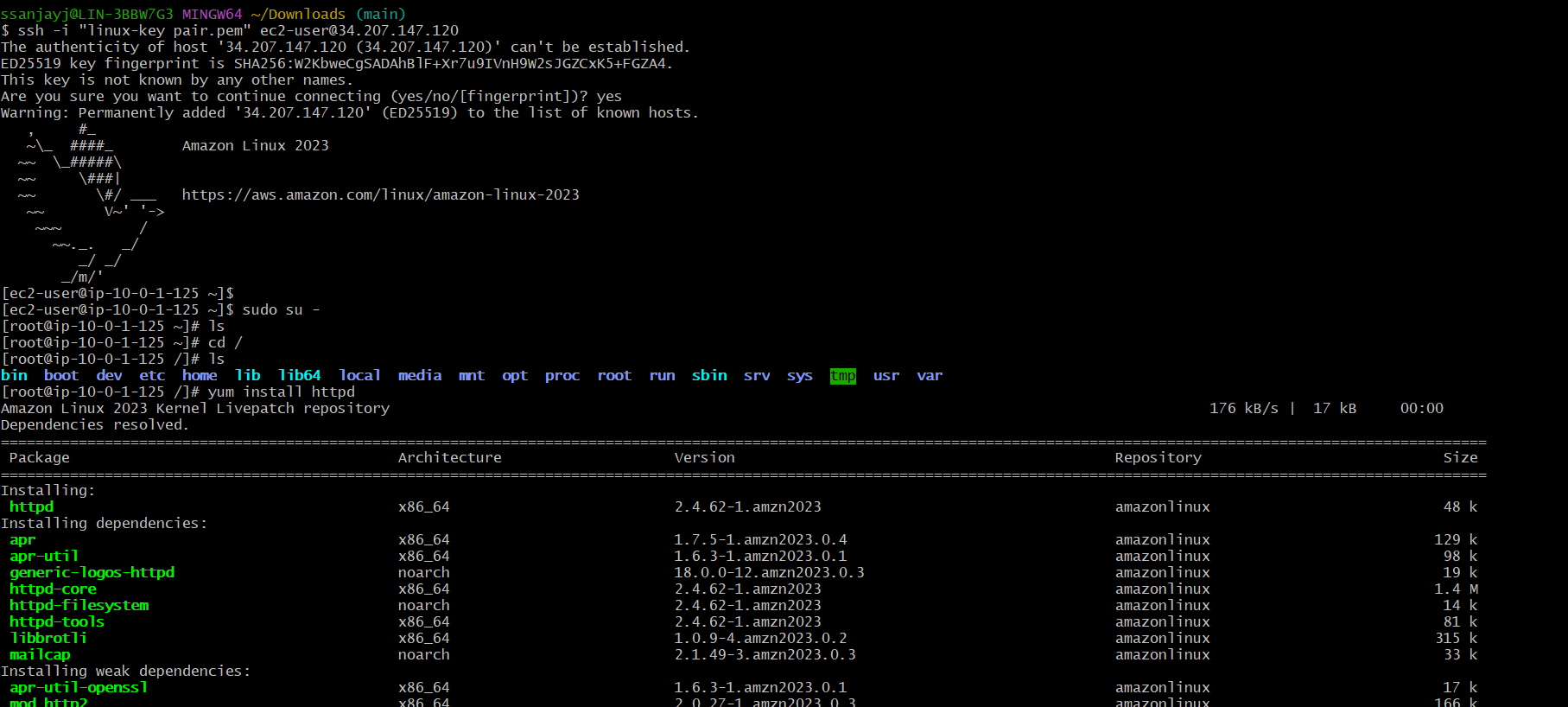
AI-generated content may be incorrect.

Add route to internet gateway.

A screenshot of a computer

AI-generated content may be incorrect.

1. Create two EC2 instances one in public subnet and other in private subnet.
2. Create instance in public subnet. We are able to connect to it and install httpd package from internet.



1. Created another instance in private subnet. We are unable to connect to it.

A computer screen with text on it

AI-generated content may be incorrect.