1. **Establish an AWS Account and Launch an EC2 Instance**

**EC2 (Elastic Compute Cloud)**: it is a virtual server service from AWS that provides scalable computing capacity. It allows users to run applications on virtual machines with customizable configurations.

**Procedure**

Step 1: Login to AWS /aws academy

Step 2: Choose region which is near ? ( Asia pacific – Mumbai/N.Virigina )

Step 3: Services -- EC2

**Services -- EC2 --- Launch Instance**

Stage 1 --Name (Giving name to the machine) ubuntu

Stage 2 -- Select AMI ( Note: Select free tier eligible ) ubuntu server

Stage 3 -- Architecture as 64-bit

Stage 4 -- t2.micro---(1CPU and 1GB RAM)

Stage 5 -- Create a new keypair

Stage 6 -- Network Setting ----Create Security group -- ( It deals with ports )

We have 0 to 65535 ports

Every port is dedicated to special purpose

Stage 7 -- Storage - 8GB ( Observation - we have root - it is same as C Drive)

Stage 8 --- click on launch instance

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**Observation** - One machines created.

**Connection**:

powershell /gitbash /webconsole :-we need to go into the path of the key pair, and

paste the ssh -i command from the aws console

task:-1. Create the virtual machine and connect it through putty

1. Create the virtual machine for windows operating system and connect to it

**Conclusion:**-will able to create the different virtual machine/EC2 and connecting with different terminals like powershell, gitbash and putty