Here’s a **day-wise schedule** for a **1-month AWS DevOps course** designed to prepare students for job interviews.

The course is divided into

**2 weeks for AWS fundamentals**,

**1 week for AWS DevOps tools**, and

**1 week for hands-on projects**.

Each week has **5 days of training**, with a mix of theory, hands-on labs, and interview preparation.

**Week 1: AWS Fundamentals**

**Objective**: Build a strong foundation in AWS core services.

**Day 1: Introduction to AWS & IAM**

* **Theory**:
  + Overview of AWS Global Infrastructure (Regions, AZs, Edge Locations).
  + Introduction to IAM: Users, Groups, Roles, Policies.
* **Hands-On**:
  + Create IAM users and groups.
  + Attach policies and test permissions using the AWS CLI.
* **Interview Prep**:
  + Common IAM interview questions (e.g., difference between roles and users, least privilege principle).

**Day 2: EC2 & Networking Basics**

* **Theory**:
  + EC2 instance types, AMIs, and key pairs.
  + VPC basics: Subnets, Route Tables, Internet Gateway.
* **Hands-On**:
  + Launch an EC2 instance and connect via SSH.
  + Create a VPC with public and private subnets.
* **Interview Prep**:
  + EC2 pricing models (On-Demand, Spot, Reserved).
  + VPC interview questions (e.g., NAT Gateway vs. Internet Gateway).

**Day 3: Storage Services (S3, EBS, EFS)**

* **Theory**:
  + S3: Buckets, Objects, Storage Classes.
  + EBS: Volume Types, Snapshots.
  + EFS: Shared file storage.
* **Hands-On**:
  + Create an S3 bucket and upload files.
  + Attach an EBS volume to an EC2 instance.
* **Interview Prep**:
  + S3 interview questions (e.g., lifecycle policies, cross-region replication).

**Day 4: Databases (RDS, DynamoDB)**

* **Theory**:
  + RDS: Managed relational databases (MySQL, PostgreSQL).
  + DynamoDB: NoSQL database, primary keys, and indexing.
* **Hands-On**:
  + Launch an RDS instance and connect to it.
  + Create a DynamoDB table and perform CRUD operations.
* **Interview Prep**:
  + RDS vs. DynamoDB use cases.
  + DynamoDB interview questions (e.g., partition keys, RCU/WCU).

**Day 5: Monitoring & Security**

* **Theory**:
  + CloudWatch: Metrics, Alarms, Logs.
  + Security Best Practices: IAM, Encryption, KMS.
* **Hands-On**:
  + Set up a CloudWatch alarm for CPU utilization.
  + Encrypt an S3 bucket using KMS.
* **Interview Prep**:
  + CloudWatch interview questions (e.g., metrics vs. logs).
  + Security-related questions (e.g., encryption at rest vs. in transit).