

Name – Adarsh Kumar

Reg no. – 11910984

Roll no. – 69

Question no. 1

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provider "aws" {
  region = "us-east-1"
}

resource "aws_route_table" "example" {
  vpc_id = aws_vpc.example.id

  route {
    cidr_block = "0.0.0.0/0"
    gateway_id = aws_internet_gateway.example.id
  }
}

resource "aws_internet_gateway" "example" {
  vpc_id = aws_vpc.example.id
}

resource "aws_instance" "example" {
  ami          = "ami-0c55b159cbfafa1f0"
  instance_type = "t2.micro"
  subnet_id    = aws_subnet.example.id

  user_data = <<-EOF
    #!/bin/bash
    echo "Hello, World" > index.html
    nohup busybox httpd -f -p 80 &
  EOF
}

resource "aws_elb" "example" {
  name          = "example-lb"
  security_groups = [aws_security_group.example.id]
  subnets      = [aws_subnet.example.id]
  listener {
    lb_port = 80
  }
}
```

```

    lb_protocol      = "http"
    instance_port    = 80
    instance_protocol = "http"
  }
  health_check {
    healthy_threshold = 2
    unhealthy_threshold = 2
    timeout = 3
    target = "HTTP:80/"
    interval = 30
  }
}

resource "aws_security_group" "example" {
  name      = "example-sg"
  description = "Example security group"

  ingress {
    from_port = 80
    to_port   = 80
    protocol  = "tcp"
    cidr_blocks = ["0.0.0.0/0"]
  }
}

```



