Role creation:

[] in iam select roles and create role

[] select AWS service and select EC2

[] in **Use cases for other AWS services: select EC2**
[] next
[] select which police want to attach
[] next
[] give which name in role name and create role

S3 creation:

[]

To Grant Access To Only One S3 Bucket Using AWS IAM Policy

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Effect": "Allow",
            "Action": [
                "s3:GetBucketLocation",
                "s3:ListAllMyBuckets"
            ],
            "Resource": "arn:aws:s3:::*"
        },
```

```
    {
        "Effect": "Allow",
        "Action": [
            "s3:PutObject",
            "s3:GetObject",
            "s3:AbortMultipartUpload",
            "s3:ListBucket",
            "s3:DeleteObject",
            "s3:GetObjectVersion",
            "s3:ListMultipartUploadParts",
            "s3:PutObjectAcl",
            "s3:GetBucketVersioning",
            "s3:GetBucketTagging"
        ],
        "Resource": [
            "arn:aws:s3:::productionbucket11",
            "arn:aws:s3:::productionbucket11/*"
        ]
    }
  ]
}
```

To create Policies

[] in **IAM**

[] select **policies** and **create policy** and **click JSON**

[] **paste code**

[] **nex**t and **policy name** and **create policy**

[] in **IAM** select **users / user group**

[] **select which user want to create policy** or if u want to create user create

[] in **permissions policies** select **add permissions**

[] select **attach polices directly**

[] **select** which police we created

[] **next** and **add permission**

[] check s3, which s3 we mention in above that s3 have permission to access, remain s3 we saw that bucket but we don't have permission to access

[] we need to enable s3 **Bucket Versioning,** when we enable we get deleted files (like recycle bin)
 [] to enable bucket versioning

[] go to s3 and open the created bucket, select properties in that select **Bucket Versioning and edit enable and save**

Police for stop and start instances :

```
{
   "Version": "2012-10-17",
   "Statement": [
     {
        "Effect": "Allow",
        "Action": "ec2:DescribeInstances",
        "Resource": "*"
```

```json
        },
        {
            "Effect": "Allow",
            "Action": [
                "ec2:StartInstances",
                "ec2:StopInstances"
            ],
            "Resource": "arn:aws:ec2:us-east-1:165271113309:instance/i-0b2ee5e9b18f6001e"
        }
    ]
}
```