How to start stop ec2 through Lambda

1. We create **IAM** policy for lambda to acces that server so here we create policy
named **ec2_strat_stop_policy :**
   a) Click on create ploicy
     a1.) Click on >Service choose a server
Service - Select ec2
Action - StartInstances
- StopInstances
- DescribeInstances
Resources : All resources

Service- Select CloudWatch Logs
Actions – All CloudWatch Logs actions
Resources : All resources
b) Create IAM role give any name like <u>ec2_strat_stop_role</u>
Select AWS service on top
Select Lambda to avail the right to access in ce2 and cloud watch logs
Click on Next: Permissions
search created policy and attach them to this role
give any tag
give Role name and click on Create role

c) Go to Lambda and create function

Select Auther from scratch
give function name
select python 3.7 in Runtime wizerd
In Permissions > Execution role >Use an existing role > select created role

d) come to the lambd function code and paste given below code

```
import boto3
ec2 = boto3.resource('ec2')

def lambda_handler(event, context):
    filter=[
            {  'Name': 'tag:Type',
```

```
            'Values': ['Scheduled']
        }
    ]

    instances = ec2.instances.filter(Filters=filter)
    for instance in instances:
        instance.start()

    return 'Success'
```

e) Save it
f) Create Saved Test Events
g) Click on Test (Check code is sucessfull on not -->it affect on ec2)

h) Now go to set triger through cloud watch
Click on Rules
Create rule > Select Schedule > select Cron expression
0 4 ? * MON-FRI *

i) Click on target
Select Lambda function
Select created function
Click on Configure details

If you want to make for stop then create a function replace in code stop in place of start after that create a Rules in cloud watch to set cron