CloudFront

1. Go to S3
2. Create a bucket
3. Give name
4. Choose ACLs enabled
5. Uncheck "block all public access"
6. Click "create bucket".
7. Go to bucket properties
8. Edit static web hosting
9. Click Enable
10. Type index.html.
11. Save changes
12. Upload 2 files (index.html & .jpg)
13. Edit ACL for 2 files
    Give permission Everyone (public access)
14. Go to cloudfront
15. Create a distribution
16. Select origin domain
17. WAF → Enable security protections
18. Select bucket edit ACL
19. Give all permissions
20. Now paste the cloudfront.net webpage & open

SQS

1. Open SQS service
2. Click "create queue"
3. Give name and create queue
4. Go to Lambda service
5. "Create Lambda" ~~function~~ click
6. Clicke "Use a blueprint".
7. Give function name
8. Select "create a new role from AWS policy".
9. Give "Role name".
10. Create function
11. Add a trigger → SQS
12. Give Queue. name
13. Go to IAM role → roles
14. Select the role
15. Add permissions → Attach policy
16. Give "SQS Full Access" & add permission
17. Now add trigger.
18. Change the Lambda code to send key-value pairs message
19. Send message
20. Check the output

SNS

1. Go to SNS
2. Click create topic
3. Select standard
4. Give name & create SNS
5. Create subscription
6. Select email
7. Give email
8. Confirm
9. Publish message
10. Any message
11. Send & check mail
12. Create another topic for number
13. Select standard
14. Give name and create SNS
15. Create subscription
16. Select SMS
17. Add & Confirm phone number
18. Publish message → Give any msg
19. Check notifications
20. Create another topic
21. Click create subscription
22. Select email & confirm subscription
23. Create a bucket
24. Uncheck block all public access
    Check I acknowledge
25. Now create bucket.
26. Go to bucket → properties → Create new event notification
27. Give event name
28. Check All object events
    Check All object removal events
29. Select SNS topic
30. It gives error
31. Paste the code in
    SNS - topic - Access policy (optional)
    and change the code.
32. Upload and check the mail.

IAM

1. Create ~~user~~ IAM user
2. Give username
3. Check the box (Provide user access)
   → I want to create IAM user (checkbox)
   → custom password
4. Uncheck the box "Users must create"
5. Attach policy (select)
6. Give S3fullAcces
7. Download & retrieve passwords
8. Go to security credentials ~~for~~ of roles
9. Create Access key
10. Select CLI & check box and next
11. Download Acces key & SAK.csv file credentials
12. Signout of root & login to IAM user.
13. Create bucket in IAM
14. Try EC2 → it shows error
15. Go back to root.
16. aws configure
    Access key
    Secret Access key
    Region
    json.
17. aws s3 ls
    aws s3 mb s3://bucketname
18. Create group
19. Give group name
20. Attach users & policy
21. Create an basic ec2 (t2.micro)
22. Connect using ssh key
23. aws configure
24. aws ec2 describe-instance
    --region us-east-1
25. select users → add permissions
    Administrators ← Attach
26. aws iam create-user --user-name ~~username~~ user-name iam
27. aws iam create-login-profile
    --user-name iamuser --password
    newuser@raj@123