CS 553
CLOUD COMPUTING
PROGRAMMING ASSIGNMENT-3
CloudKon clone with Amazon EC2, S3, SQS, and DynamoDB

User Manual

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- **Local back-end workers:**

  For the execution of Local back-end workers there are client program, thread programs, main class program and worker program.

  For compilation :

  javac program_name.java

  For Running :

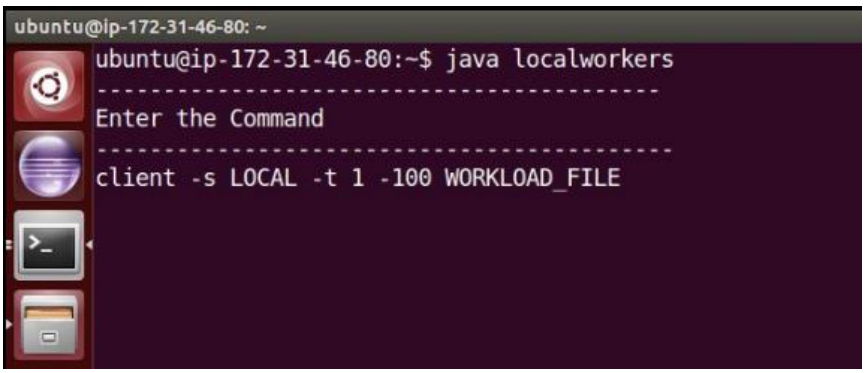
  java program_name

  After executing the above command, the program will ask to enter the input.
  You need to provide the command line argument i,e

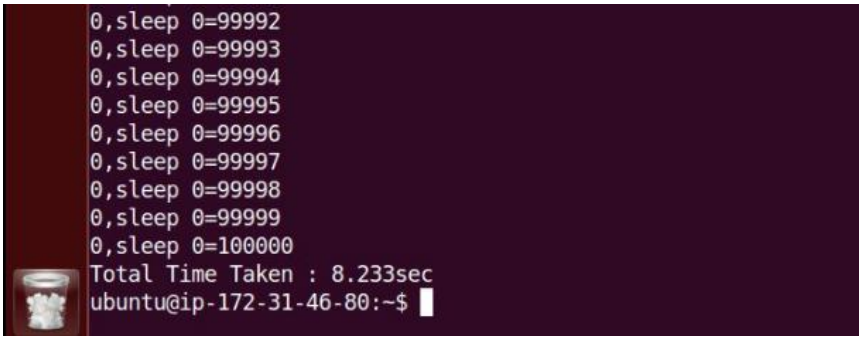
  Client –s LOCAL –t N –w <workload_file>

  The following screenshots displays the method of execution:

  Input :



  Output:



The above screen shot includes the total execution time, 0's before the sleep indicates successful delivery of message. It also shows the task executed and the id.

- **Remote Workers:**

Here the client will fetch the tasks inside workload file and push into SQS.Since SQS is the communiation between client and the workers, the workers will perform mentioned in SQS. Then the task is put into Dynamo DB which takes care of duplicate tasks which SQS does not gurantee it.

For execution of the program, you need to download the access key and store the AWS access credentials in the default path

As same as above :

For compilation :

javac program_name.java

For Running :

java program_name

The output displays the time taken by the worker to perform the task.