```
2020-02-15T05:23:56.735Z INFO Ensure step 2 jar file s3://soumyadeep-assignment2/mr-demo-
1.0.jar
2020-02-15T05:23:57.195Z INFO StepRunner: Created Runner for step 2
INFO startExec 'hadoop jar /mnt/var/lib/hadoop/steps/s-XQOB1RW9VBV7/mr-demo-1.0.jar
wc.ReplicatedJoin s3://soumyadeep-assignment2/maininput s3://soumyadeep-assignment2/rep-
output 20000'
INFO Environment:
  PATH=/sbin:/usr/sbin:/usr/bin:/usr/local/sbin:/opt/aws/bin
  LESS_TERMCAP_md=[01;38;5;208m
  LESS TERMCAP me=[0m
  HISTCONTROL=ignoredups
  LESS_TERMCAP_mb=[01;31m
  AWS AUTO_SCALING_HOME=/opt/aws/apitools/as
  UPSTART JOB=rc
  LESS TERMCAP se=[0m
  HISTSIZE=1000
  HADOOP_ROOT_LOGGER=INFO,DRFA
  JAVA_HOME=/etc/alternatives/jre
  AWS_DEFAULT_REGION=us-east-1
  AWS ELB HOME=/opt/aws/apitools/elb
  LESS TERMCAP us=[04;38;5;111m
  EC2 HOME=/opt/aws/apitools/ec2
  TERM=linux
  runlevel=3
  LANG=en US.UTF-8
  AWS CLOUDWATCH HOME=/opt/aws/apitools/mon
  MAIL=/var/spool/mail/hadoop
  LESS TERMCAP ue=[0m
  LOGNAME=hadoop
  PWD=/
  LANGSH SOURCED=1
  HADOOP CLIENT OPTS=-Djava.io.tmpdir=/mnt/var/lib/hadoop/steps/s-XQOB1RW9VBV7/tmp
  =/etc/alternatives/jre/bin/java
  CONSOLETYPE=serial
  RUNLEVEL=3
  LESSOPEN=||/usr/bin/lesspipe.sh %s
  previous=N
  UPSTART EVENTS=runlevel
  AWS PATH=/opt/aws
  USER=hadoop
  UPSTART INSTANCE=
  PREVLEVEL=N
  HADOOP LOGFILE=syslog
  PYTHON INSTALL LAYOUT=amzn
  HOSTNAME=ip-172-31-76-158
  HADOOP LOG DIR=/mnt/var/log/hadoop/steps/s-XQOB1RW9VBV7
  EC2 AMITOOL HOME=/opt/aws/amitools/ec2
  EMR STEP ID=s-XQOB1RW9VBV7
  SHLVL=5
  HOME=/home/hadoop
  HADOOP IDENT STRING=hadoop
INFO redirectOutput to /mnt/var/log/hadoop/steps/s-XQOB1RW9VBV7/stdout
INFO redirectError to /mnt/var/log/hadoop/steps/s-XQOB1RW9VBV7/stderr
INFO Working dir /mnt/var/lib/hadoop/steps/s-XQOB1RW9VBV7
INFO ProcessRunner started child process 8063
2020-02-15T05:23:57.197Z INFO HadoopJarStepRunner.Runner: startRun() called for s-
XQOB1RW9VBV7 Child Pid: 8063
INFO Synchronously wait child process to complete : hadoop jar /mnt/var/lib/hadoop/steps/s-
XQOB1RW9...
INFO waitProcessCompletion ended with exit code 0 : hadoop jar /mnt/var/lib/hadoop/steps/s-
XQOB1RW9...
INFO total process run time: 320 seconds
2020-02-15T05:29:17.286Z INFO Step created jobs: job_1581744132020_0001
2020-02-15T05:29:17.287Z INFO Step succeeded with exitCode 0 and took 320 seconds
```