**MINI PROJECT**

**AIM:** Write a program to take backup of Mysql database.

**CODE:**

import os

import time

import datetime

import pipes

DB\_HOST = 'localhost'

DB\_USER = 'root'

DB\_USER\_PASSWORD = '123456'

#DB\_NAME = '/backup/dbnameslist.txt'

DB\_NAME = 'db\_backup'

BACKUP\_PATH = '/backup/dbbackup'

# Getting current DateTime to create the separate backup folder like "20180817-123433".

DATETIME = time.strftime('%Y%m%d-%H%M%S')

TODAYBACKUPPATH = BACKUP\_PATH + '/' + DATETIME

# Checking if backup folder already exists or not. If not exists will create it.

try:

os.stat(TODAYBACKUPPATH)

except:

os.mkdir(TODAYBACKUPPATH)

# Code for checking if you want to take single database backup or assinged multiple backups in DB\_NAME.

print ("checking for databases names file.")

if os.path.exists(DB\_NAME):

file1 = open(DB\_NAME)

multi = 1

print ("Databases file found...")

print ("Starting backup of all dbs listed in file " + DB\_NAME)

else:

print ("Databases file not found...")

print ("Starting backup of database " + DB\_NAME)

multi = 0

# Starting actual database backup process.

if multi:

in\_file = open(DB\_NAME,"r")

flength = len(in\_file.readlines())

in\_file.close()

p = 1

dbfile = open(DB\_NAME,"r")

while p <= flength:

db = dbfile.readline() # reading database name from file

db = db[:-1] # deletes extra line

dumpcmd = "mysqldump -h " + DB\_HOST + " -u " + DB\_USER + " -p" + DB\_USER\_PASSWORD + " " + db + " > " + pipes.quote(TODAYBACKUPPATH) + "/" + db + ".sql"

os.system(dumpcmd)

gzipcmd = "gzip " + pipes.quote(TODAYBACKUPPATH) + "/" + db + ".sql"

os.system(gzipcmd)

p = p + 1

dbfile.close()

else:

db = DB\_NAME

dumpcmd = "mysqldump -h " + DB\_HOST + " -u " + DB\_USER + " -p" + DB\_USER\_PASSWORD + " " + db + " > " + pipes.quote(TODAYBACKUPPATH) + "/" + db + ".sql"

os.system(dumpcmd)

gzipcmd = "gzip " + pipes.quote(TODAYBACKUPPATH) + "/" + db + ".sql"

os.system(gzipcmd)

print ("")

print ("Backup script completed")

print ("Your backups have been created in '" + TODAYBACKUPPATH + "' directory")