|  |  |
| --- | --- |
| #program 1  1) Install the virtual box  2) Click on next and complete it  3) Install ubuntu  4) in virtual box, select on iso image, then go to d folder and select ubuntu-22.04.4-desktop-amd64  5) Give anything name 6) Set password and go next  7) Set the base memory to 4000mb and processor to 5]  8) Set the virtual hard disk to 16.1GB and click on finish and install ubuntu  9) To write c program  10) sudo apt install gcc  11) touch main.c  12) write code  13) hcc main.c -o test  14) ./test  #program 2------------  1) Download google app engine 1.9.62 py sdk  https://drive.google.com/file/d/1Uuxc9PTDHZ\_l7zOxBnKfn4XbBnd0iLtK/view  2) Open it and install it, also install python 2.7 version  python2 dev\_appserver.py "/home/sahyadri/Desktop/4SF21CS057" enter  3) Open the google app engine, click edit, select preferences, give path of pythonw.exe and google app engine from program files (x86)  4) Create an empty folder , then select that folder in google app engine from new , and start running it  #program 3  1) Repeat the above https://www.npackd.org/p/com.google.AppEnginePythonSDK/1.9.62  2) Add main.html  3) in main.py change the following  import webapp2  class MainHandler(webapp2.RequestHandler):  def get(self):  self.response.headers['Content-type']='text/html'  with open('main.html','r') as f:  self.response.write(f.read())  app = webapp2.WSGIApplication([  ('/', MainHandler)  ], debug=True)  #program 4  https://cloud.google.com/storage/docs/discover-object-storage-gcloud  or  1) Go to google cloud console and select a project that has billing  2) Click on cloud storage and buckets  3) create new and write name for it 4) Select the region  5) Choose a storage class  6) Choose how to control access the objects  7) Choose how to protect object the data 8) Click on create  # program 5  1) install cloudsim 3.0.3 zip file from github  2) Needed Eclipse, common-math3 (3.6.1)  3) open eclipse, File>new>Java project  4) Instead of default loc, browse and select that folder where cloudsim 3.0.3 is installed , then click next  5) Then go to libraries and select external api , then give path where commans-math3-3.6.1.jar is present  6) If there are errors, right click on folder, go to properties, java compiler, enable proj specific settings and select the latest release  7) Run  #program 6  1) Go to aws  2) Sign up , give basic details etc  3) Log in  4) Search ec2  5) Select instance  6) Press Launch Instance  7) Create a key and select ppk  8) Install putty  9) Select Launch Instance  10) Connect directly or using putty as ec2-user  # prg 7 - Hosting web application using ec2 instance  1) Get urself into root user  sudo su -  2) Before doing something update: yum update -y  3) Install httpd: yum install -y httpd  4) check status: systemctl status httpd  5) Make new folder | mkdir temp  6) Move to it  cd temp/  7) Go to freecss.com and choose a website , right click on download button and do copy link address  wget https://www.free-css.com/assets/files/free-css-templates/download/page296/little-fashion.zip  8) Check if it is there  ls -lrt  9) Unzip by doing this  unzip little-fashion.zip  10) Do again  ls -lrt  11) Go inside  cd little-fashion/  12) Check  ls -lrt  13) Move Entire thing  mv \* /var/www/html/  14) change directory  cd /var/www/html/  15) Check again  ls -lrt  16) Copy the public address and open it in new tab  17) If it doesnt load, aws firewall is preventing it, so go to security tab , open security group in new tab  18) If we dont see http and https inbound rules , we have to add there , click on edit inbound rules  19) Add http and give 0.0.0.0/0 , same for https and click on save rules  20) If the website doesnt load, check the status  systemctl status httpd  21) If its inactive, enable it  systemctl enable httpd  22) start the service: systemctl start httpd  23) check the status: systemctl status httpd  24) Now website should work  # 8th program  1) Go to salesforce developer website  2) go to developer.salesforce.com/signup  3) Login username: nishanthbhat18@gmail.com, password:Nishanthbhat\_2003  4) click on setup an  d go to developer console  5) File>New>Apex class and name it  6) public class Study {  public static void main(){  system.debug('Hello');}}  7) click debug>open executive window  8) write Study.main();  9) Double click the executed one and click debug only  10) Linear Search  public class LinearSearch {  public static void main(integer key){  System.debug('Linear Search');  integer s=-1;  List<integer>ion=new List<integer>();  ion.add(3); ion.add(4); ion.add(5); ion.add(6);  System.debug('List: '+ion);  for(integer i=0;i<ion.size();i++){  if(key==ion[i]){  s=1; }}  if(s==1){  System.debug('Element is found');  }else{  System.debug('Element is not found');  }}}  #9th program  1) do same as above one  2) public class SendingMail {  public static void main(string toAddress,string subject,string body){  Messaging.SingleEmailMessage email=new Messaging.SingleEmailMessage();  email.setToAddresses(new String[] {toAddress});  email.setSubject(subject);  email.setPlainTextBody(body);  Messaging.sendEmail(new Messaging.SingleEmailMessage[] {email});  }} |

Running a c program

13 sudo apt install gcc

nano hello.c

3] Add the code:-

#include <stdio.h>

int main(){

printf("Hello world! In");

return 0,}

4]compile and run:

gcc hello.c -o hello

•/hello

Running a Python program

1] sudo apt install python 3

2) nano hello.py

3] Add the code:

print("Hello World!")

4] python3 hello.py

https://youtu.be/qtiZwxXFy8I?si=3e5BO\_eMhhrut\_HQ

https://youtu.be/2lhOEO-zmjw?si=Wp9NOI3K765GAtDH

https://youtu.be/v79bSnbdh6A?si=MaAYpbE4-jKNorjv

https://youtu.be/cURnZmHcvIQ?si=3L3q8bamcYCWh5FC

https://youtu.be/VP4hR3LSXGg?si=9EeVcoOim1dsKhlW

https://youtu.be/8re44RiaocY?si=2aRI3pNKXD-Rl377

https://youtu.be/T\_4cGEtHqUs?si=I3iECVN2248JzvCk

https://youtu.be/krqLXwkj3g0?si=Nz7y88XExQ3CnI3y

https://youtu.be/OZRbkkEuQMI?si=s9sokI3wFGp7onNP

https://youtu.be/6-2y3yA2w3M?si=MfCya2GMqonBHnGP

https://youtu.be/tQ7Gl48LH4I?si=8ul5olarwnE8m6nm

https://youtu.be/Islmm-LMu38?si=vVG6VR5UnHymOIQY

https://youtu.be/GnRl6ETwHVE?si=5R9Y0x7\_10ERvcy9

https://youtu.be/BOIBZURNEIg?si=is7LhH1XX2\_ZwbqS

https://youtu.be/mNjsH6vnNng?si=RYJCHWb0HVzdhr1e

https://youtu.be/rUeL8kZbjPI?si=9zhpwG4qqRXBPGH1

https://youtu.be/rUeL8kZbjPI?si=rlRbHhJBwPmWupou

https://youtu.be/mNjsH6vnNng?si=RYJCHWb0HVzdhr1e

https://youtu.be/BOIBZURNEIg?si=1kbrcRXB48jtaDQT

https://youtu.be/GnRl6ETwHVE?si=5R9Y0x7\_10ERvcy9

https://youtu.be/Islmm-LMu38?si=vVG6VR5UnHymOIQY

https://youtu.be/mNjsH6vnNng?si=RYJCHWb0HVzdhr1e

https://youtu.be/BOIBZURNEIg?si=1kbrcRXB48jtaDQT

https://youtu.be/GnRl6ETwHVE?si=5R9Y0x7\_10ERvcy9

https://youtu.be/Islmm-LMu38?si=vVG6VR5UnHymOIQY

https://youtu.be/2lhOEO-zmjw?si=cQBxCuvbbQoQKMvd

https://youtu.be/VP4hR3LSXGg?si=9EeVcoOim1dsKhlW

https://youtu.be/T\_4cGEtHqUs?si=I3iECVN2248JzvCk

https://youtu.be/thlFWQ15Z-0?si=C0c\_ueAJel4G\_wiT

https://youtu.be/8re44RiaocY?si=2aRI3pNKXD-Rl377

https://youtu.be/-RFkD3qkURs?si=rr6a5\_90elzNRhhM

https://youtu.be/cURnZmHcvIQ?si=3L3q8bamcYCWh5FC

https://youtu.be/2lhOEO-zmjw?si=fP-Zqy5nOIxQ7U1Y

https://youtu.be/krqLXwkj3g0?si=Nz7y88XExQ3CnI3y

https://youtu.be/2lhOEO-zmjw?si=2UwkeCYvJ2oDRb0t

https://youtu.be/OZRbkkEuQMI?si=s9sokI3wFGp7onNP

https://youtu.be/Islmm-LMu38?si=vVG6VR5UnHymOIQY

https://youtu.be/GnRl6ETwHVE?si=-JDue3b3GvNk-fgK

https://youtu.be/BOIBZURNEIg?si=is7LhH1XX2\_ZwbqS

https://youtu.be/mNjsH6vnNng?si=RYJCHWb0HVzdhr1e

https://youtu.be/rUeL8kZbjPI?si=9zhpwG4qqRXBPGH1

https://youtu.be/sca5rQ9x1cA?si=WN-HcydaW6IIzwxP