Demonstrate the working of google form to develop event feedback system.

Requirements: Internet Connection, Google account Theory:

from uses through a personalized survey on quiz format. The information collected is there automatically connected to a spreadsheet. The service has undergone several updates and are not limited to menu search, shuffle of questions for secognized order, limiting response to once per person, shorter URLs, custom themes automatically generating answers, suggesting when eseating forms and an uplead file option too. The appallows users to create and edit surveys online while collaborating with other users in read time.

Steps Involved:

- 1. Go to google apps. Click on Google forms
- 2. Create a feedback form where we can select fields for response like short answer, paragraph, multiple choice, checkbox, dropbox meny.
- 3. To add another question, click on the plus symbol
- 4. To give multiple choice to usen, click on add options
- 5. To give dropdown to user, click on add option
- 6. To give date option to user, click on add option
- 7. To give time option to usen, click on add option
- 8. To send the form to uses select the send option. Give all the information about receiver's mail id and other information and click on 'send', on we can copy the link and send it via other means.
- 9. We can know the response of the sent form by clicking

on the Responses Option.

In Responses options, Summary option gives the response of each question along with piechart and boar graph for the suitable questions as response.

the "Question" option, we get a dropdown options of questions and we can select a question and view the response for that question only.

In the 'Individual' option, we get the susponse for each person individually and a slide through avoious to switch between different responses.

The suspenses can be extracted and viewed in the form of a table in excel sheets, through download response C.CSV) option. We can also point all response and delete all responses. ors of house side how state to make the

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Requirements: Internet Connection, Google account

Theory :

Google sheets is a spreadsheet program included as part of the free, web-based Google Does Editor Suite offered by Google. It is an online spreadsheet app that lets you to create and format spread sheets. People can work simultaneously, we can see people's changes as they make them and every change is saved automatically.

Steps Involved:

- 1. Go to google apps. Click on 'Google Sheets'.
- 2. Click on 'Blank' to get a new untitled spreadsheet and rename the file.
 - To create the 'course outcome calculation' through spreadsheet, insent in the cells, college name, branch name, semesters, subject name, subject code and title.
 - The source in the sheet should have serial number, USN of the student, Student Name, CIEI marks along with the course outcome (COI, CO2 or (O3) the particular questions (1a, 1b, 2a, 2b, 2c) belongs to and similarly CIEII marks, then Assignment I marks along with the course outcome which it belongs to and similarly Assignment II marks.

The next three columns are CO1, CO2, CO3 which one the sum of marks obtained in each course outcome through CIE and Assignment marks. This is calculated Using the formula:

(GIG, FIG, GIG, GIG, GIG)

4.

3.

5.

- on the bottom right comer of the cell and dragging to all sows, needed. Formulas are typed in that particular
- 7. The average of each course outcome is calculated on by using the formula:

=) 0.75 * AVERAGE (T16: T30)

(T16: T30 are total number of rows to which the formula is applied in the T column of the sheet) The calculated value will appear in the cell. The target level is set as LEVEL 1 (<40-1-), LEVEL 2 (>40-1-) and LEVEL 3 (>75-1-).

- 9. They total students for each course outcome (co1, co2, co3) is written. inserted.
- 10. Students above tagget for each course outcome is calculated using the formula:
 - ⇒ COUNTIF (T16:T30,">="&T13)

 C To check if each individual student has scored above the average calculated in Step 7 or not)

 The calculated value will appear in the cell.
- 11. To calculate CO Assessment (-1.), we use the formula:

⇒ (E43/E42 * 100)

g.

12.

- (OY) ('STUDENTS ABOVE TARGET' / TOTAL STUDENTS' * 100)
 The calculated value will appear in the cell.
 The 'CO ATTAINMENT I CHEL' is calculated using the
- The 'CO ATTAINMENT LEVEL' is calculated using the formula:

⇒ IF(E44 > 75 , "3", IF (AND (E44 > 40, E44 ∠ 75),
"2", IF (E44 < 40, "1", "0")))
where,

E44 -> CO ASSESSMENT (.1.)

3. We can calculate the above for one course outcome Suppose co1 and then click on the bottom right

corner of the cell and drag it to the column co2 and co3 for each formula. All the changes made are saved automatically. with a the all same I had the second of some I want. in it is present a supplement the man do - and follows Contest from confliction of state of the state of the semination of of elect force states stronger firefact on early read to a state of the whole a world Assertation of appropriate of the sold-transvers of the transfer physical country The same man the secondary of the spired own T madi. Egent America I lead his per person of . " and the state of t to amount the AFTH The es 2 - 10% .

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Brograms -> Code onywhere

Requirements: Anteinel connection, code onywhere accourt

Theody:

Cloud anywhere is a cloud IDE. It eaver time by deployment deploying a development environment to secons enabling you to code, learn, build and collaborate on your projects. It is a fully featured useb-based code editor. One can team up with their fellows developers and collaborate on their projects. It has pre-installed language runtime and tools for all popular programming languages.

Python Development stack with pyens, Python and pip pose installed.

pyens (c a command-line tool to manage multiple

The codeanywhere Container comes with:

- · logie of Diec Storage
- 8048 MB RAM (+512 MB SWOP)
- · Sudo accen
- · SSH accent on host 23. udeanyhost.com -p 52320
- · Access to all HTTP and websocket ports.

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Panogram - 5 ( File handling 1)
     green and A produced doctor of the con-
Steps:
                               Y 1. 4100
Create an account in code anywhere by providing your
email-id and possword through sign Up option.
Verify your account by dicking on the link sout to
the given email-id.
Create a new container in the Dashboard by clicking
on 'New Container'.
Select Python and click on create
Once the container is created, an IDE workspace will
open.
Create new project by clicking on new folder option
and name it 'Ponoject'
Open a new file inamed '1.py' by elicking on new
file option.
Type the following code in the file:
    def program 5():
     with open ("/home/cabox/workspace/merge.txt", ",")
     as f1:
        data = f1. readlines()
                 - The Francis is sort
     Cut-lines = 0
     cnt-A=0
     cnt-c=0
     for lines in data:
                   er will be me worr to a
         cnt_lines +=1
                       I I I WEST TOTAL
         if lines Col == 'A':
                        to the our deli
            cnt_A + = *1"
   if lines[1] == 181;
            cnt_B += 1
          if lines[2] == 1 C':
```

cnt-c+=1

1.

4.

7.

8.

```
print (" Total number of lines due: ", cnt. lines)
    print (" Total number of lines Harting with A are:
     cnt_A)
    print ( E" Total number of lines starting with G air;
      CHE_B)
    print (" Total number of lines starting with C are:
     cnt_c)
    programs()
9. Save the file '1.py'
   Create a file named 'Merge-txt' using new file option.
  In 'merge.txt' file, insert the following data:
     Apples age fruits
      Aprice's are tasty.
      Zebra. is an Animal
      attangements are done.
      Bob likes pets.
      Coconut Water is good for health.
      Banana is also a fruit.
      Bombay is now Called Mumbai.
   Save the file 'merge.txt'. Copy the path of the file
   and poste it in the code's openufunction.
  In the console to sun the examinand;
     type: python 1.py
 The output will be displayed in the console.
  OUTPUT:
    Total number of lines are: 8
    Total number of lines starting with A are: 2
    Total number of lines starting with B are: 3
```

Total number of lines Starting with C are: 1

```
Program - 6: ( Pile - handling ))
   Steps:
1. Create an account in codeanywhere by providing your
  email-id and paravord through sign up option
  Verify your account by alicking on the link cent to the
   given email-id.
 Create a new container in the Darhboard by clicking
   on 'New Container'
  Select Python and click on create
   Once the container is created, an IDE workspace will
   open.
  Create new project by clicking on new folder option
   and name it project
  Create a new file named '2.py' by clicking on new
   Type the following code in the file:
  def program 6():
      cnt = 0
      word-search = input (" Enter the words to search: ")
      with open ("I home I cabox I workspace I merge. txt", ",")
         for data in f1:
               words = data.split()
             for word in words:
                    if (word == word-search):
                        cnt+=1
      print (word-search, "found", cut, "times from the
      file ")
      return cut
   cnt1 = program 6()
    with open ("/home/cabox/workspace/ result. txt", "w")
        f3. inite (str (cut 1))
```

- 9. Save the file '2.py'
- a Create a file named 'merge.txt' using new file option.
- 11. In 'merge.txt' file, insert the following data:
 Welcome to code anywhere platform.
 We welcome our developers.
 Welcome to your personal python container.
- 12. Save the file 'merge.txt'. Copy the path of this file and paste it in the open of function of the ad
- file in the second open() function of the code similar to 'merge.txt' file.
- ly. In the (terminal/)
 type: Python 2.py
- 15. The output will be displayed in the console and a new file result txt is created inside which the output will be written.

OUTPUT 1 :

Enter the words to seasch: Welcome Welcome found 2 times from the file

OUTPUT 2:

Enter the word to search: welcome welcome found 1 times from the file.

Database program: (Code Anywhere)

Steps:

- 1. Create an account in code anywhere by providing your email-id and password through sign up option.
- Q. Verify your account by clicking on the link sent to the given email id.
- 3. Create a new container in the dashboard by clicking on (New Container).
- 4. Select Python and click on create.
- 5. Once the container is exeated, an IDE workspace will open.
- 6. Create new project by clicking on new folder grams option and name it (Project!
- 7. Create a new file named 'doprogram.py' by clicking on
- 8. Open 'new tab' and go to official website of Codeanywhee then click on 'Dashboard' and go to 'Advanced Topics' Now click on 'Installing MysQL'.

To install Mysol in your container, you have to run the following commands in the IDE terminal:

Sudo apt=get update

Sudo apt-get install mysql-server

Sudo service mysql status

Once the Installation is done, type the following command mysql -- uses = rool -- password = root

10. Now create a new database named "coursematch" using the following command:

use toursemptons

11. Now create new table in the database using the following command:

stream vanchan (5), c-name vanchas (10);

Quest values into the table using the following command:

insert into course-details & values ('OI', 'ISE', 'CC')

- 13. To display the table, use the following command:

 Select * from course-details;
- 14. To describe the table, use the following command:

 desc course-details;
- 15. Presiequisites to sun the program:
 - > Download mysql-connector a pythron module

 pip install snyred mysql-connector-pythron
 - → Download pandas module

 pip install pandas.
- 16. Now, in the file 'dbprogram. py', write the follows code:

import platform

import anysql.connectors

import pandas as pd

mydb = mysql.connector.connect (host: "localhost","

user = "root", \

pass wd = "root", \

datbase = "coursemater

```
Mycusson = mydb. curson()
def course_Insert():
    L = ()
    (-id = int (ignput (" Enter the course id : "))
    Lappend (c-id)
    Stream = input ("Enter stream name;")
    L. append ( estocam)
    C-name = input ("Enter courses in this stream : ")
     L.append (c-name)
     course = (L)
     sql = "inscrt into course-details (c_id > stream,
     c-name) values (-1.5,-1.5) "
     mysql. execute (sql, course)
     mydb. commit () , , , po st see some
def
    cview ():
    print (" Select the Seasch criteria: ")
                           all to the manufact of
    print ("1. c-id")
    print ("2. Stream")
     print C" 3. All")
     ch = int (input (" Enter the choice : "))
     if ch == 1: 1 ) dignostr - 1 squar
        s = int(input("c-id:"))
         C = (s, )
                  graveyshiring 4 deposition
         Sql = "select * from course-details where
         Said = 1/.5"
         mycursor execute (sql, c)
    elif ch == 2:
         S = input (" Enter Stream Name: ")
         m = (S, )
         sq1 = " select * from course_details where
         Stream = 1/.5"
         my curson. execute (sql,n)
```

```
elif ch = 3:
                       Sq1 = " Select * from course-details "
                       mycurson. execute (sql)
          res = enycurson. fetchall ()
           print ( "The course details are as follows: ")
           print (" Course_id, Stream_Name, Course_Oppertunite, "
                       x in res:
                        print(x)
def remove Course ():
        C-id = int(input("Enter the course_id of the course
      to be deleted: "))
        ci = (C_id, )
         sal = " Deleted from course_details volume c_id = 1/.5"
         mycursoa. execute (sql, ci)
        mydb.commit()
def Menuset():
           posint (" Enter 1: To Add course")
          print ("Enter 2: To view course")
          print (" Enter 3: To Remove course!)
          try:
                                       The state of the s
               user Input = int (input (" Please select an above
                option: "))
        except 2 Value Erros:
                 exit ("In Hey! That's not a number!")
        else:
                 print ("In")
                 if (userInput == 1):
                                Course_Insert()
                 elif (useo Input == 2):
         CView()
                  elif (uses Input == 3):
                                remove (mince ()
```

```
else: point ( " Enter correct choice : . . ")
   Menuset ()
   def run Again ():
      run Again = input ("In want to run again Y/n:")
      while (run Agoun. Lower() = = 'y'):
          if ( platform. system () = = "Windows"):
         point (08. system ('cls'))
     else:
               print ( os. system ('clear'))
           Menuset ()
           run Agn = input ("In want to run again Y/n:")
    dun Again ()
17.
     In the console/terminal to run the code (
       type: python dbprogram.py
            2. Couly your account by several FF
    The output will be displayed . I many
18.
                    and the simples or second of is
             real Especialist speed with the top
                  and flick on create reposing.
                  the Copen were the most parter
                    Low wlead fit in telement . S.
                 5. Croate a folder as jours FC ..
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               the the county of the contract
   is up at pot any sine pityre or st are of
                       Martin Molling Extension to
        see in I made specificate side areal. It is
         - who live weeked mandrives this budge that
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git init

git clone ____ (copy from girhub)

git config user.name ReshmaRaoCH

git config user.email 1dal9iso31. (s@drait.edu.in

git add CCLAB | town.gitignore

git status -s | git checkout -b B

git log | qit push oxigin B.

Priogram - Github

Steps

1. Create an account on Github by providing your email-id and password, and give a username.

THE DOTE OF THE

- 2. Verify your account by entering the code sent to your email id.
- 3. To create a stepositosiy on Github, click on Creat Repository option. Enter the repository name and click on create repository.
- 4. Open new tab and go to 'git-scm.com', to dononload Git for Windows.
- 5. Create a folder on your PC with few files and directories.
- 6. Right click on the folder created and click on 'Git Bash Here' option.
- 7. Type the command: git init, to create an empty Git repository in specified directory (folder created)
- 8. To clone the repository created on the Github onto the local machine, first copy the usl from

Git hub and then type the following command on the Git Console,

git clone <repo>

Here, erepor is the copied url (via HTTP 01834)

track will all gloss Jer

9. Type the commands:

git config user.name Zname>
git config user.email <email >,

To define author name and email to be used for all commits in the current repository.

10. To add a file or directory to your repository before next commit, type the command:

git add <file>
<directory>

·11. To list which files are staged, unstaged and rentracked, type the command

git status -s

12. To commit the files or directory, to save changes permanently, type the command

git commit -m "<message >"

- 13. To get the commit history, type, git log
- 14. To push the files stored in the folder on the local machine to remote github repository, type the command,

git push < sepo> < branch >

repo -> use (via HTTP or SSH)

It creates a named branch in the remote repository if it doesn't exist.

Once, you click enter, we get a dialog box

A usil with code will be displayed.

Copy the code and click on the url.

The ust takes you to a device activation page and paste the code there. Then click on 'Authorize GitCredential Manager'

Now the file is pushed onto the Github remote repository and can be accessed anywhere with the bogs internet and login credentials.

- 15. To create a git ignosic files, type the command touch egitignosie
- 16. Type the filename along with extension inside the gitignone file created, and these files will be ignored when pushed to the repository.
- 17. To check the branch in the console, type: git checkout -b B

 Now the branch is B.
- A new branch named 'B' is created in the github repository.

But Tip

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Virtual Box

Virtual box is a general-purpose full virtualizes for x86 houdwave, targeted at server, desktop and embedded use.

Steps

- 1) Go to Oracle virtual box on you web browser. Click on 'downloads' option.
- a) Under Vistual Box 6.1.34 platform packages,
 Click on 'Windows hosts', VM is downloaded
- 3) A dialog window appears, click on Next and then 'finish'.
- 4) After installation, click on New on Oracle VM and Name your file.
- 5) Set the Memory size as required.
- 6) Set hard disk by clicking on 'create a virtual hard disk now'
- 7) Click on Settings, Go to storage,

 Click on empty.

 Click on the disc symbol at the right corner

 of the bowinday and click on 'Choose disk file'.

 Select the folder containing the operating system

 to be virtually used.
- 8) Double click on the five you created in step 4 to run the machine (power on)
- a) To create a directory, use the command mkdis CC
- 10) To list all files use the command
- 11) To change directory, use the command cd CC

- (at > 'file-name'

 This is my first file
- 13) To remove a file,
- 14) # wc 2 // 2 filename

 of p: 2 6 28 2

 This command talk how many lines, words
 and characters are there in a file.
- 15) Grep command:

 To look for strings in the file.

 # grep -i "this" 2

 O/p:- This is Unix command
- 16) pwd (present working directory
 This command tells you where you currently are
 (directory)
- 17) To view file contents,

 cat 3 // 3→ file_name

 o/p:- Cloud Computing
- (man' command > online reference mannuals
- 19) mv 3 4
 This command moves/renames file named 3 to 4
- 20) du 0/p: 4 This command displays number of bytes!! occupied by the contents of the directory.

- 21) cal Displays the calendon
- Displays current date and time

 O/p: Mon May 30 15:16:11 UTC 2022
- 23) remove the directory

J 2" "

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