Madan Bhandari Memorial College

Department of Computer Science and Information Technology (B.Sc.CSIT) Ninayak Nagar, New Baneshwor, Kathmandu

Practical Sheet

Submitted By: - Utsav Acharya Sharma	Program No:- 08
Submitted To Debesh Adhikani	Lab Date:
Submission Date:- 2060 /08/21	T.U.Roll.No. :- 24179
Title: Java Mail API	
Introduction: Java Mail APT is a set of abstract A email messaging. It provides a pletform framework to build mail and messaginallows developers to sero, receive and the Tava Programming language. Two JAR Files used:	y applications. The Java Mail APT menipulate email messages using
i) activation jax: It is used to dynamically determined message or attachment.	esmine the type of data contained in a
ii) javar. mall jar: It provides the necessary class	es and interfaces to create, sond and receive

-> Configure the mail screen propostics, such as authentication, TLS, host and post.

-> Create a mail session using the configured propostics and an Authenticator for providing the email and passions.

-) Coeale a Mime Message object and set its proportion such as sender, recipions

Steps in sending mall

subject and content.

a use boursport send to send message.

Sleps in receiving mad

-) Configure the imperties for the POP3 mail server, including the
host, post, and SSL/TLS settings.

-> Create a session object.

-> Connect to the mail store with

-> Open the intex faller with in the mail store.

-> Retrieve the array of message.

-> Iterate through each message.

-> Close the faller and disconnect.

```
Code Vava Meuil Util.java:
import java. util. Properties;
public class Jove Mall Util &
     public state void send MallCstring recepient I throws Exceptions
              System out printly ("Pseparing to send mail");
               Properties properties = new Properties ();
               properties. put ("mail smlp auth", "true");
               properties. put (" mould south startile enable", "true");
               properties. put ( mail soulp host", "soulp grail com");
               proporties put ("mall soutp. post", "587");
                final String my Account Emall: "utstavachowya shorma@gmail
                 Fired String passwood = "xxxx";
                 Session session = Session. get Enstance (proposition, new Audienti
                     @Ovomble
                         protected Password Authentication get Password Authoritian
                                   rehm new Parsward Authontication (ny Account
                                                               Erreil, passuss)
                          z
                   ય);
                  Message message = psepart Message (session, my Account Small,
                                                               secepient);
                  Toursport. serd (message);
                   system. Out. println ("Message Sent Successfully");
     private stutic Message propose Message (Session Session, Storty ryAccount Email,
                                                  Stong recepion)
               throws Messegging Exceptions
                      Message message = new Mine Message (session);
                      message set From (new Internet Address Cry Account Enail)
                      message. sethecipient (Message Recipiotiyne Fo, new Internet Addsess (secepient));
                      message. set Subject ("Java lab 8");
                      Mime Body Part massage Body Part = new Mime Body Port ();
                      message Body Part. Sch Contant ("<h1> Hello </h1> =p>Ulsor
                                                      Actoria 8homa 2/p>", " tol
                                                                          ibm "))
```

```
Mine Body Part attachPort = new Mine Body Parst ();
         DataSource source = new FleDataSonoce ("O:11 UtsovIIJava \ Vall
         attachfort. set buto Hardler (new Oats Hardler (evence));
          attachfort selfaleName ("Utsov. txt");
          Multipost multipost = new Mime Multipost();
          multiput add Body Post (message Body Part);
          multiport and Body Part (attrich Part)
          massage set Content Coulliport);
          return message;
       y coutch (Exception ex) {
             Logger get logger ( Tana Maul Util · class · getName()). Log
                                   Clevel. SEVERE, null, ex);
         seron null;
    3
z
Java Meilijava:
public class Java Maul &
     public static void meun (String [] orgs) thrown Excepting
            Tava Meilllil . sord Meil ("whow achonya showed @ governd com");
      3
3
```

Preparing to send Mail Message Sent Successfully

				:
utsavacharyasharma@gmail.com	im 18 of 10 nm cres sego)	ν.	`	•
o me ·				
Hello				
Utsav Achsiya Sharma				
One attachment • Scanned by Gmall ()				(2)
	•			
& Utsav.txt				
Reply Forward				

```
Code:
impost java. whl. *;
public does MuilReceives
    public state void receive Empil Comp popshoot, Story streetype,
                                          Story usor, Story pursuad
                                           int number of Enews) &
              brobeyes . whis : ver Boboyper();
              poups.put ("mall.pop3.host", pop3Host);
              props put (" mail pops pod", "ggs");
             props. put ("moull pup3. starttle. enable", "brud");
             props. put ("mail. stroc. protocal", "pop3");
             Session session = Session. get Instruce (mops);
                   Shore mail shore = session gct shore (shore Type);
                   rail 800 x. Conned Copy3Hod, Usos, passwood);
                   folder folder = medl&hoo.getfolder("INCOX");
                   folder open (Folder READONLY);
                    int total Messages = fallor get Messagewill);
                   int start Index = Math. nex x(1, total mexiges - number of
                                                   Eners H);
                   Mossage [) coneul Mossages = Favor get messages (stuffrato)
                                                   had mosages);
                   Systen out println ("Total Messages - "+ on ail Messages.
                   for (int i=0; izemail Messeges. length; itt)s
                        Message message: emall Messages [i];
                        System. outprintly ("Email" + Citz)+"-");
                        system.out.pm/h("Subjed - "+ message.get Subject));
                        System out probable " From - " + Aronays. history Concerage.
                                            get Form(1));
                    Publier. close (Fulse);
                     moul shore. close();
              3 outch (Exception e) {
                  e-print Stuck Pruce();
                   System err. postula ("Error insecelving eneul.")
```

3

public stuhe void moun (8toky [] angs)?

Storing pup3Host = "pup.gmall.com";

Storing mallStone Type = "pup3s";

Gral Storing us or Name = "utolivachonyachamma@gmail.com";

Anal Storing pussword = "xxxx";

Areal Storing pussword = "xxxx";

receive Email Coup3Host, moul8how Type, userName, password, 5);

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Z

```
Total Messages - 5
Email 1-
Subject - You have 5 notifications about Samir and others
From - [Facebook <reminders@facebookmail.com>]
Email 2-
Subject - "How is this even legal"
From - [Reddit <noreply@redditmail.com>]
Email 3-
Subject - You have 5 notifications about Sita and others
From - [Facebook <reminders@facebookmail.com>]
Email 4-
Subject - You have 5 notifications about Sarita and others
From - [Facebook <reminders@facebookmail.com>]
Email 5-
Subject - "Padhna sakiyena"
From - [Reddit <noreply@redditmail.com>]
```