A PROJECT ON

MAIL MANAGEMENT SYSTEM

SUBMITTED BY

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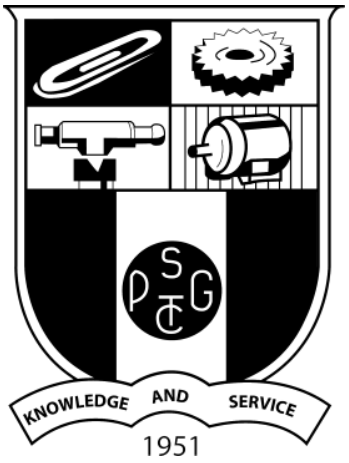
IN PARTIAL FULFILLMENT OF THE REQUIRMENT OF

THE COURSE WORK

C PROGRAMMING LAB (20XC17)



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We are over helmed in all humbleness and gratefulness to acknowledge our depth to all those who have helped us to put these ideas, well above the level of simplicity and into something concrete.

We would like to express our special thanks of gratitude to

Dr. Nadarajan *professor and head, department of Applied Mathematics and Computational Sciences and our Tutor* **Ms. Suganthi S D** *as well as our Problem solving and C Programming teacher* **Ms. Kiruthika J** *who gave us the golden opportunity to do this wonderful project on Mail Management System, which also helped us in doing a lot of research and we came to know about so many new things We are really thankful to them.*

Secondly, we would also like to thank our parents and friends who helped us a lot in completing this project within the limited time frame.

ABSTRACT

Email is an effective and essential means of communication when used properly because: It is fast, simple, efficient and accurate. It increases the speed, flow, and access to information. It helps facilitate the resolution of issues and speeds decision making.

This Mail Management System has been developed out of a need for communication between the students. It provides a means by which the students can share their ideas, reply to each other's doubts, send each other's mails and basically keep in touch across the college.

Our project has options to login and signup accounts from which they can compose and read received mails. Three types of read modes are available in our Mail System that is, new mails, old mails and sent mails. It also has an option to change password for the account. It further has options to reply and delete messages too.

The main objective of the project is to develop a fully functional easy Mail System that enhances communications among the students of the AMCS department in a reliable, cost-effective and secure way. Thus it helps in creating a strong bond between the students to improve their performance as a team.

MODULES DEFINED IN THE PROJECT

- int main();

  Displays the loading page and calls the homepage() function for further process.

- void homepage();

  Displays home screen of the mail page and has login and signup options for the mail.

- void signup();

  Creates a new user account in the AMCS mail system by calling addnewuser() and isExistingUser() functions and calls back the homepage() function.

- void addnewuser(user A);

  It creates a new user account and has a function call from the function signup().

- int isExistingUser(user A);

  It checks whether the account the user trying to create is already available or not.

- void login();

  It gets username and password as input and logs into the user's account.

- void options(char rollno[]);

  It displays and allows user to select options available in the AMCS mail system.

- void compose(char rollno[]);

  It displays the departments available and lets user to select the department where the receiver of the works.

- void display(char code[],char roll[]);

  It writes and stores the mails of the users in their respective files.

- void readm(char roll[]);

  It displays and allows user to select options available to read new, old and sent mails.

- void newm(char roll[]);

  It allows the user to read and do other operations on newly arrived mails.

- void oldm(char roll[]);

  It allows the user to read and do other operations on arrived mails which are read at least once.

- void sent(char roll[]);

  It allows the user to read mails which the user sent to other users.

- void further(char to[],char rs[],char rd2[],char roll[],int n);

  It displays the users with further options like reply and delete for a mail.

- void reply(char user[],char sub[],char body[],char rd[],char roll[]);

  It allows the user to reply to a particular message received.

- void changepwd(char rollno[]);

  It helps the user in changing password for his account.

- int count(char roll[],int i);

  It is helping function for delete() to count the position of the mail which is to be deleted.

- void deletem(char roll[],int n);

  It is used to delete a received mail.

STRUCTURES USED

- typedef struct {…} user;

  This structure consists of six data members :

  - char name[50];
  - char rollno[7];
  - char dob[11];
  - char dep[4];
  - char passwd[20];
  - char rpasswd[20];

  These data members are used to store details of each and every user while creating a new account and are accessed in other parts of the program.

FILES CREATED AND USED

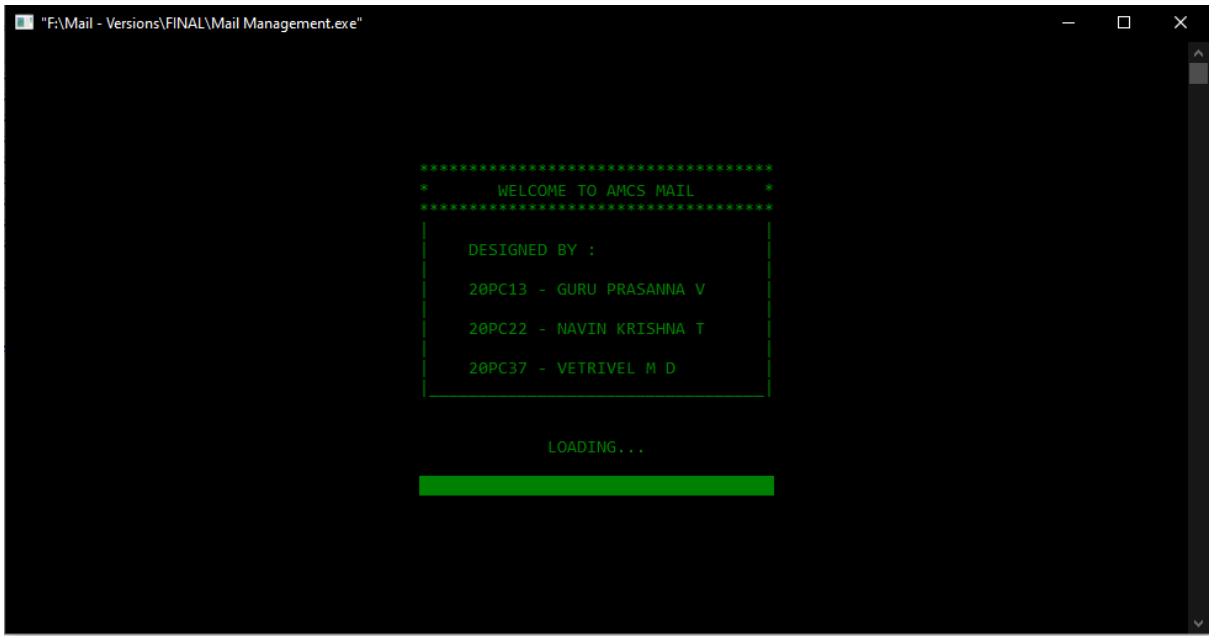
Two types of files are created automatically during the program run if they are not available.

The two types of files created are :

- File named “USERS.txt” consisting the data of all users available in the AMCS mail.
- File named “ROLLNO.txt” (ROLLNO - Roll number of the user) is created for each and every user consisting of data of the particular user with that roll number.

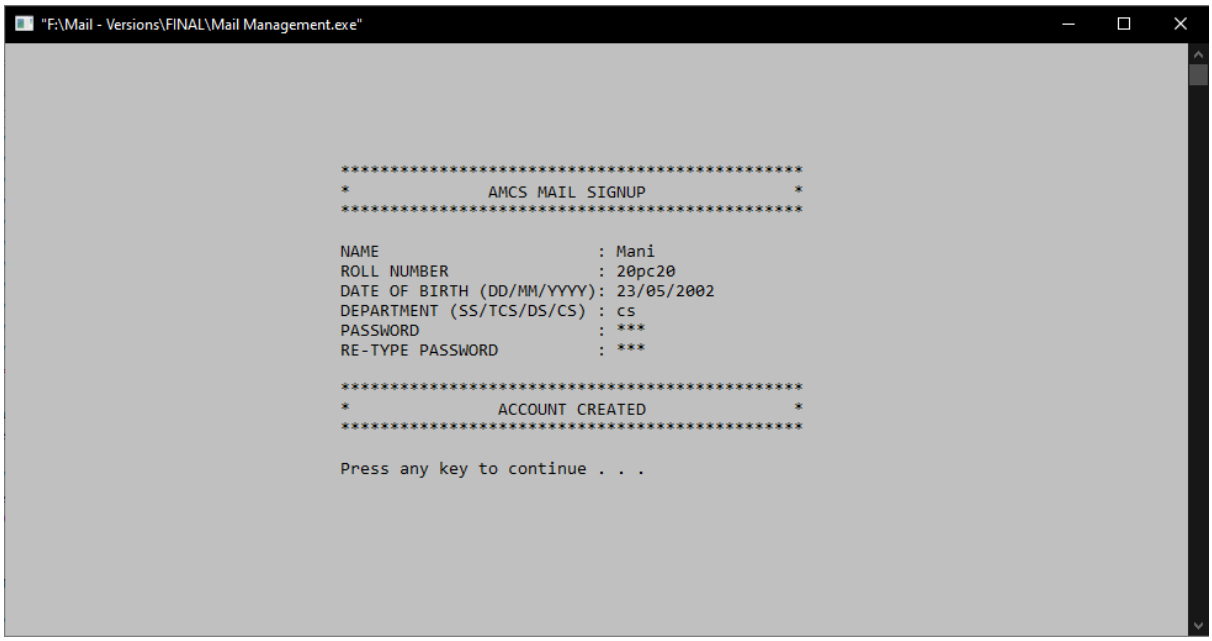
OUTPUT SCREENSHOTS

FIRST PAGE :

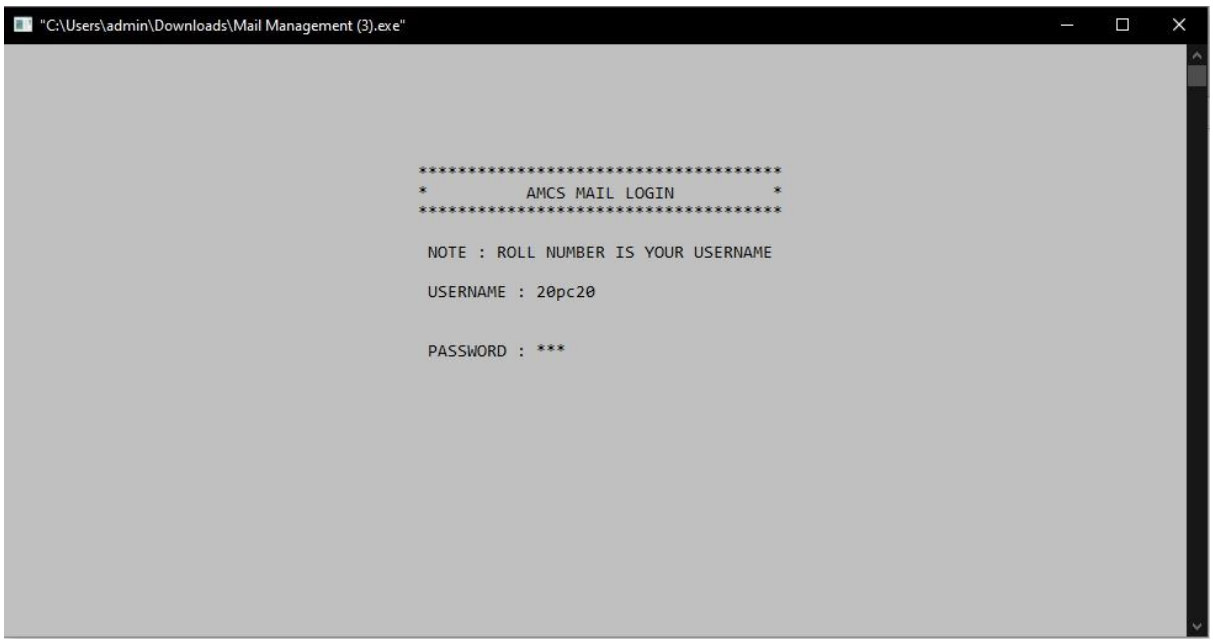


HOMEPAGE :

SIGNUP :

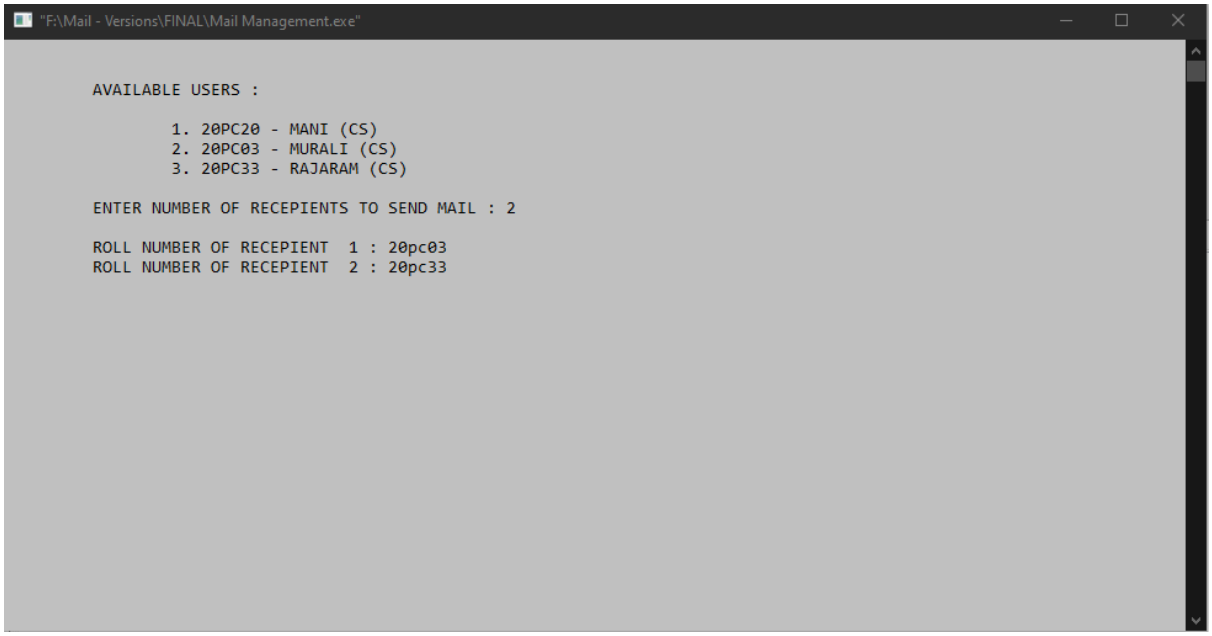


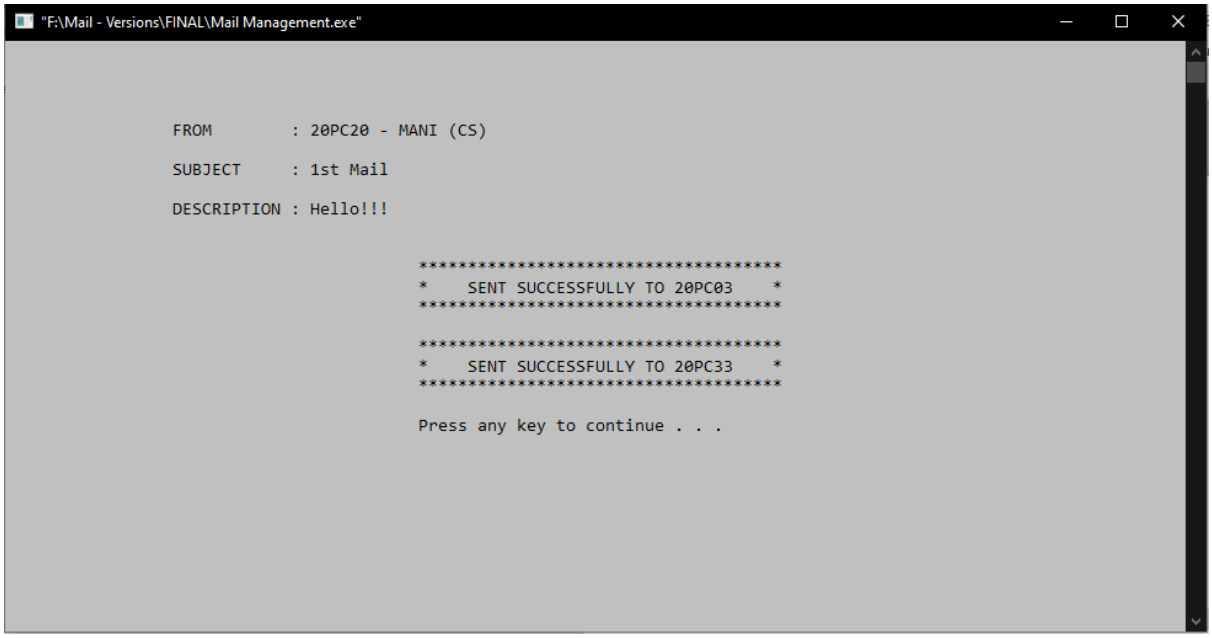
LOGIN :



MAINPAGE :

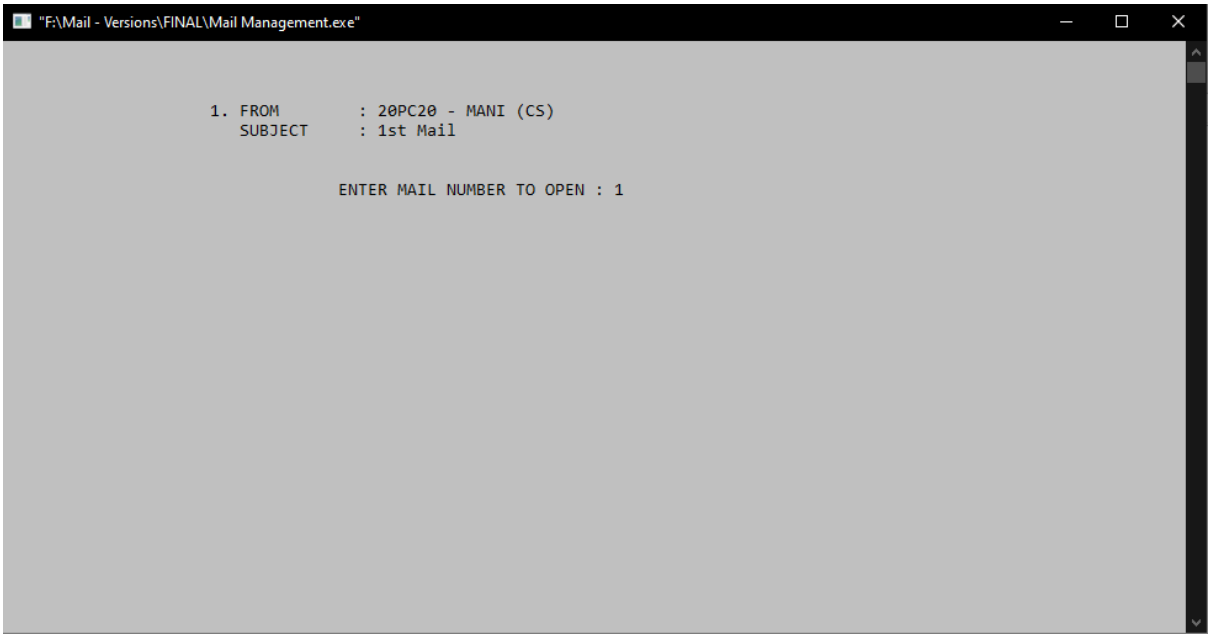
COMPOSE :

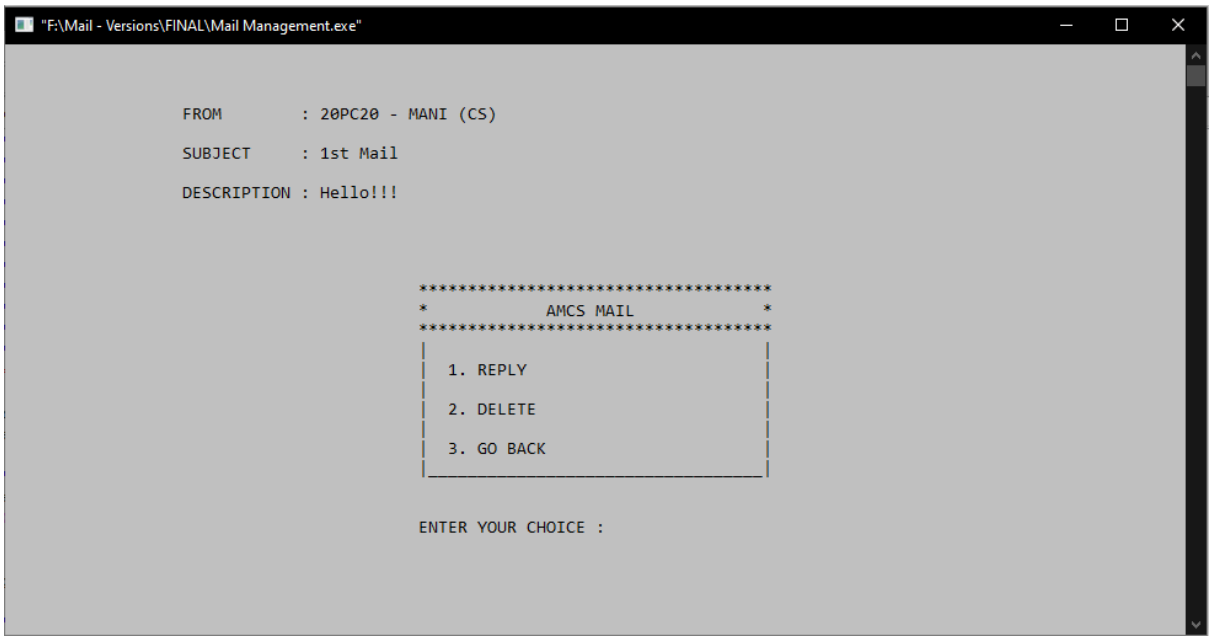

"F:\Mail - Versions\FINAL\Mail Management.exe"
AVAILABLE USERS :
1. 20PC20 - MANI (CS)
2. 20PC03 - MURALI (CS)
3. 20PC33 - RAJARAM (CS)
ENTER NUMBER OF RECEPIENTS TO SEND MAIL : 2
ROLL NUMBER OF RECEPIENT 1 : 20pc03
ROLL NUMBER OF RECEPIENT 2 : 20pc33


"F:\Mail - Versions\FINAL\Mail Management.exe"
FROM : 20PC20 - MANI (CS)
SUBJECT : 1st Mail
DESCRIPTION : Hello!!!
SENT SUCCESSFULLY TO 20PC03
SENT SUCCESSFULLY TO 20PC33
Press any key to continue . . .

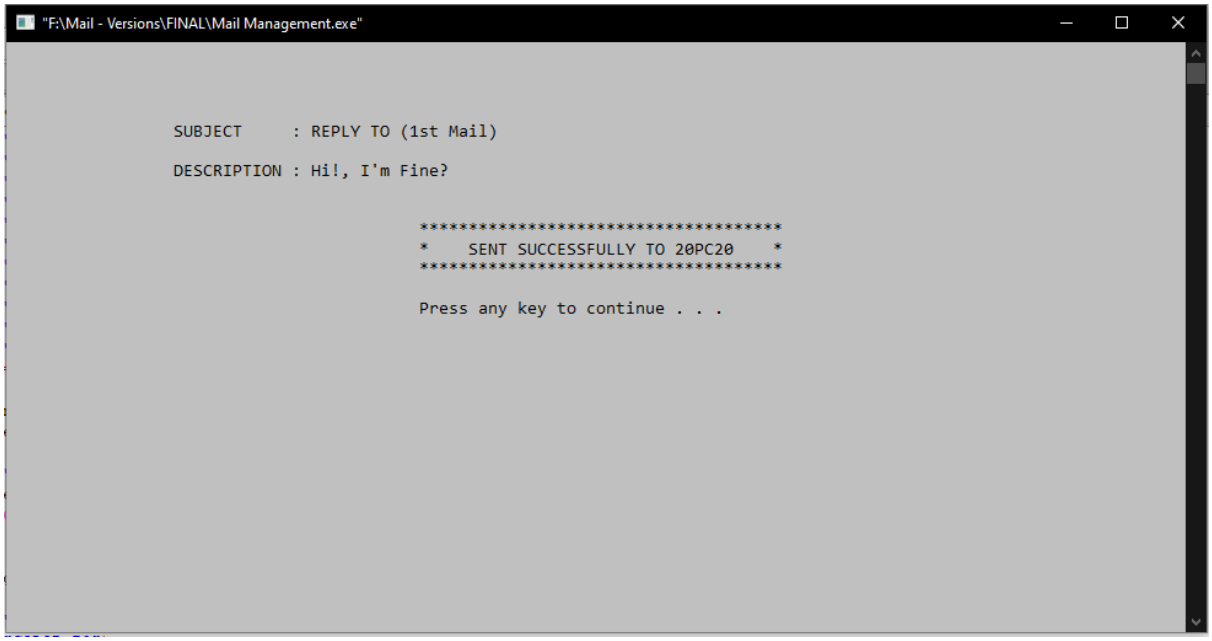
READ :

"F:\Mail - Versions\FINAL\Mail Management.exe"
AMCS MAIL
1. NEW MAIL
2. READ MAIL
3. SENT MAIL
4. GO BACK
ENTER YOUR CHOICE :


"F:\Mail - Versions\FINAL\Mail Management.exe"
1. FROM : 20PC20 - MANI (CS)
SUBJECT : 1st Mail
ENTER MAIL NUMBER TO OPEN : 1

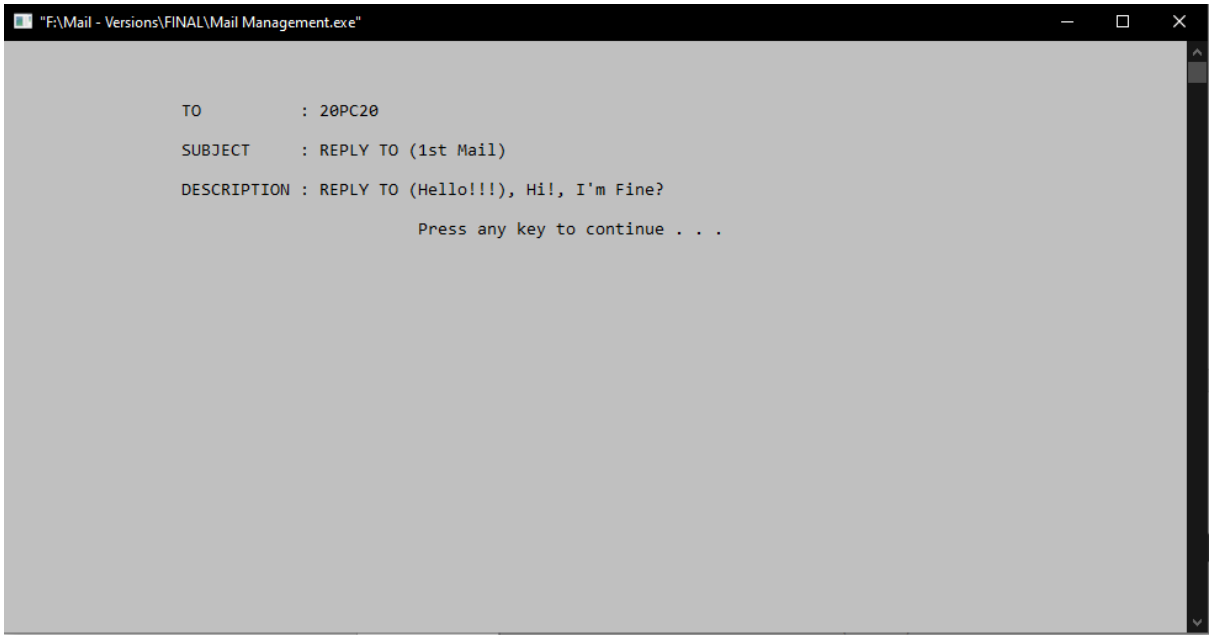

"F:\Mail - Versions\FINAL\Mail Management.exe"
FROM : 20PC20 - MANI (CS)
SUBJECT : 1st Mail
DESCRIPTION : Hello!!!
AMCS MAIL
1. REPLY
2. DELETE
3. GO BACK
ENTER YOUR CHOICE :

REPLY :


"F:\Mail - Versions\FINAL\Mail Management.exe"
SUBJECT : REPLY TO (1st Mail)
DESCRIPTION : Hi!, I'm Fine?
SENT SUCCESSFULLY TO 20PC20
Press any key to continue . . .

DELETE :

SENT MAIL :



CHANGE PASSWORD :