

ACCESS – UGS 1430
Software, internet, and email at U. Utah
Monday June 14, 2010

There are many computer resources here at the University of Utah, on a variety of operating systems. These systems include PC, Mac, Unix, Linux. Here in Marriott you'll find PC, Mac and Linux systems. Most important software comes in versions for each operating system, so you will be able to function in any of these environments. This particular file is a Microsoft Word document which has been modified on a PC and a Mac using MSWord, and on a Unix workstation with OpenOffice. These notes are posted at our home page - the first link below, and are the specific document which is the second link:

<http://www.math.utah.edu/~korevaar/ACCESS2010>
<http://www.math.utah.edu/~korevaar/ACCESS2010/June14.doc>

University Accounts

- 1) To get started, once we're in PC-Lab 1735, sit in your week 1 groups and log on to the computer with our 24 hour guest pass – I'll write its login name and password on the whiteboard. (Some of you have already set up your Utah Network I.D. (uNID), which is just your Utah I.D. (uID) with the first zero digit replaced by a lower case u, along with an internet password. In that case, use your uNID and password to log on to your computer, instead of using the guest pass.
- 2) Next, go the University of Utah home page <http://www.utah.edu/> and notice the login portal for my.utah.edu in the upper right-hand corner. This is where you can access your University information (registration, grades, email, etc.), with your uNID and password – once your account is set up. To set up your account, follow the “First time logging on, go here first” link just below the portal. You can even watch a short demo of how the process will work.
- 3) If you didn't create an identifiable alias for your email account while going through your initiation above, do it now. This is so that messages from you look like they come from firstname.lastname@utah.edu for example, instead of from somebody named u0048392@utah.edu. DO THIS NOW. Use the “uNID Tools” link, at the upper left corner of the My.Utah.edu page you access from <http://www.utah.edu/>. To make sure you've got your alias working, send yourself an email and see if it came from someone with your name!!

Saving Files

One of the easiest and safest ways to **save files** from one lab visit to the next is to mail them to your Umail account as attachments (and verify that you've done so correctly before leaving the lab). Alternately you can save onto flash memory sticks, or some other storage media. If you look at your computer here you'll see what it accepts. The icons for the various storage devices live in the desktop folder called “My Computer”. Make sure you've actually saved what you want to your email, flash drive, CD or floppy disc before **logging off** – log off by pressing the big black, white and red LOGOUT button on the desktop. Don't turn off the machines.

If you are working in a group, you can email files to each other as attachments, copy and paste text and numerical data directly into email messages, or (less reliably) trade storage media.

Another way to save files is to move them directly into the on-line space which you have been given as part of your University account. (This is the same place your mail files are stored.) Use a secure file transfer protocol program (sftp), such as the ones you can find in the “Internet Tools” directory. For example, try the sub-directory “SSH Secure File Transfer.” You can upload (and later download) to the server called home.utah.edu. Your “username” is your UNID, and you will also need your password. When you later want to delete files from your on-line directory, you will use Secure Shell Client software, such as that found in the SSH Secure Client directory inside the “Internet Tools” directory. For more details, search the links from <http://www.it.utah.edu/services>. You can also find directions for making your own web pages there.

Printing

Printing in the Marriott Library works as follows: Use the print command in whatever software you’re using. Then go to the main open lab, called the [Knowledge Commons](#), which is on level 2 of Marriott Library, but which is currently on the second floor until remodeling is completed. The **printers** are near the front of the Knowledge Commons, and accept money you’ve put onto your U-card as payment – after you swipe your Ucard in the adjacent computer and identify the job you want to pay for and print. To put money onto your card you use a “Cash to Chip” machine – there is one next to the Cashier desk on level 2. If you don’t have a viable Ucard you can pay by the page at the Cashier, and take your receipt to one of the friendly Knowledge Common help desk people.

Whenever you are stuck with a computer problem in Marriott, one of these friendly **help desk** people will try to help you.

Rosemary’s Assignment

You figured out Rosemary’s devious puzzle! Now, she wants you to explain the solution to her, following her directions. Your explanation will consist of an email description of your algorithm, and an Excel attachment which implements it. Each group is free to use the particular solution they came up with – we’ll let Rosemary decide whose document she prefers to use and distribute. The Excel document should be organized in some understandable rectangular fashion, so that rows correspond to weeks and columns to groups, or vice versa. Use actual student names in the document.

Rosemary better get an email from someone with your name, not from your UNID! (See “alias” discussion on page 1). Cc the email to yourself, as insurance. Have fun, and ask each other, Zhu, Brenna, or me, for help if you need it!

Nick’s Assignment

You also figured out how to use quotients and remainders to come up with a formula for the group assignment function. After you’ve sent Rosemary her email, open the software program “Maple” from the class software directory. I recommend “Classic Worksheet Maple 10”, inside the Maple 10 directory. Then use the file/openURL option from the Maple toolbar to download and open <http://www.math.utah.edu/~korevaar/ACCESS2010/groups.mws>. (Do not open this link from Microsoft Word.) This Maple file gives you directions for Nick’s assignment, which is to implement the group assignment algorithm as a Maple function and email the result to Nick and Zhu. We’ll be using these mathematical ideas, as well as the Maple software, a lot this week.