

FTP stands for

Client and server relationship and the server connects both

IP Address 10.2.114.67 user and password is on classroom

Transfer stuff via filezilla if you are far away

Patient

- Index is the position of the items on the list
- Index starts with 0
- document.write shows on the page
- Var len is a shortcut and can just be len anywhere else

Js challenge 1 notes

- Len is length
- Arrays start with 0 and is also the index

OTHER

```
if(prompt("Enter a number") % 3 == 0)(  
    document.write("Divisible by 3");  
) else (  
    document.write("Not Divisible by 3");  
)
```

Var out;

```
for(let i = 0; i < 10; i ++)
```

JavaScript (Reflection)

- A Script is a series of instructions like a Recipes Handbook and Manual
- Recipes are simple and are with individual scenarios and some can be complex.
- Like programing there is a lot of terminology to learn
- Handbooks includes many steps for different scenarios
- Manuals a If, Else scenario to check everything is functional
- Scripts are instructions a computer can follow step-by-step
- Browser uses different parts of a script to interact
- Can run different sections of code to the situation around them
- Scripts needs you to state your goal, list the task in order to achieve it
- Big picture that needs to be break down into smaller steps
 1. Define the goal by defining the task you want to achieve. Like a puzzle for a computer to solve
 2. Design the script by splitting the goal into a series of task that can be represented like a flow chart not complicated
 3. Code each step that needs to be written in a programming language that the computer can understand.
- It pays to start designing before coding
- Vocab that the computer understands
- Syntax how to put the words into instructions that a computer can follow
- Computers are logical and obedient and need to be told every detail and will do it without question.

- PBJ

1. Go to the kitchen and get the bread, peanut butter and jelly
2. Get plate put 2 piece of bread on the plate
3. Get a butter knife
4. Insert butter knife into the jar of peanut butter and spread it over bread
5. Use butter knife for jelly and spread it on the other slice of bread
6. Put to pieces of bread together
7. Eat sandwich

What is Git ?

- Git removes the need to copy files to and from the class share and your "H" drive for projects
- Git is like a checkpoint for files
- Lets you modify, change, break and improve your code creating save points along the way
- A tool that allows people to work on projects at the same time and protects you from others and vise versa
- Git init makes a repository in the folder you ran the command on a hidden location where checkpoints are
- Files will be in 3 states
- Modified - files changed but not saved
- Staged - the current version of the file tagged to be included in the next commit

- Committed - files safely stored in git
- Git commit moves box of copies into long term storage. It does not move or remove files in your working directory
- Git log show a list of all boces you have saves

Working with Git

- A remote repository is a copy of our project that is stored “in the cloud”
- Backup our work and share with others
- Accessible anywhere with internet connection
- Git push tells git to upload all changes to the server and doesn't need to done after every commit, it will upload from the last push
- Branches are small bits extending from a tree trunk and represent different versions of code
- They allow us to work on code fixes and features without breaking what has been worked on, new features should always start on a new branch
- Master branch is the trunk of the code tree and only contains clean code ready for development
- Git branch maintains a copy of code with a given name. On its own will list branches available and display an asterisk on the current one being worked on.
- Git checkout tells git to switch working folders to branch name specific
- Merge combine branches
- Merge conflict when both files has changed in both branches (git is asking for help).

- I think the branches and merge idea is great incase during projects you don't like the results you wanted. However I got lost before the merge section of the lesson but i get the concept of it so I scale it a 2. I have a question about the git push on afterwards are the changes supposed to appear on the current branch.