

Week_2

08/12/2024

Welcome to Coding 4 Kids

Downloads are available
(if you miss a class)
Here is a link:

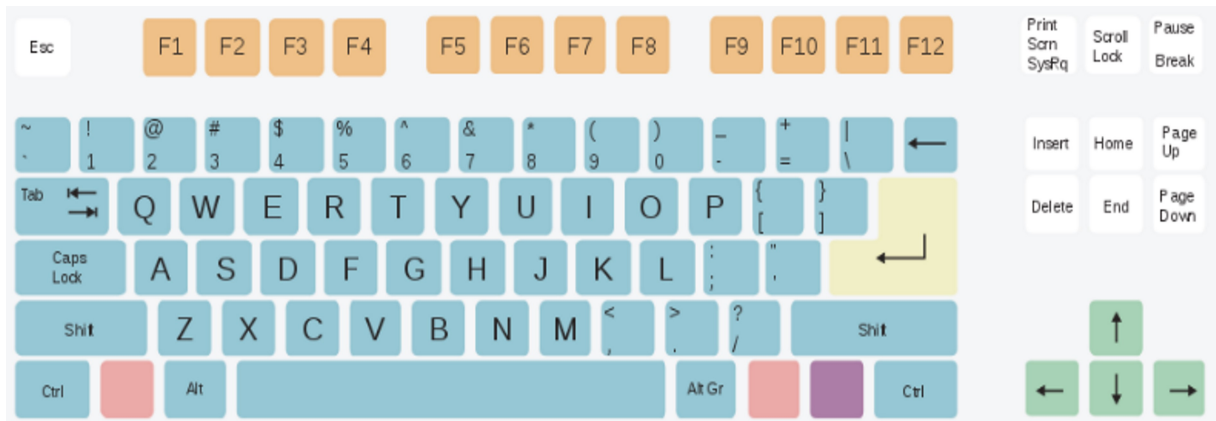
<https://www.alton4chess.com/trinity-coding4kids.html>

Today we are going to start with a review.

We know a that A computer keyboard is a typewriter-style device which uses an arrangement of buttons or keys to act as mechanical levers or electronic switches. These are input and are arranged in a "QWERTY" style.

Which Fingers go on Which Home Row Keys?





Touch typing, is a style of typing without looking at the keys as you type. A touch typist will know the position of each key on the keyboard... Although the phrase refers - typing without using the sense of sight to find the keys. on the location of the keys on the keyboard through muscle memory.

Repetitive strain injury (RSI) is a general term used to describe the pain felt in muscles, nerves and tendons caused by **repetitive** movement and overuse. In class we will **teach you to stretch your wrists and hands**. This is important after you type or use a mouse for a long period of time.

Questions:

What key does your left index(2nd) finger go on?

What key does your right index(2nd) finger go on?

What finger do you use to hit the space bar?

What is special about the [F] and [J] key, that no other key has?

Which key is the biggest?

When typing, which key is pressed more than any other key?

Which key is hit by 2 different fingers?

Touch Typing

We want to build on our knowledge and skill.

First lets understand the word 'posture'.

Posture is the position of your body, arms, wrist, hand, and fingers.

Posture & technique

Sit with your back straight and your feet flat on the floor. You should be arms next to your body in a comfortable position. Make sure the F and J keys of the keyboard are immediately opposite the middle of your body.

When typing, keep your elbows close to your body, wrists and forearms level. After striking each key return your fingers to their *resting* position over the **home row**.



Proper Keyboarding Techniques



- Sit up straight
- Feet flat on the floor
- Body Centered on the Letters G and H
- Elbows bent at side
- Fingers curved and resting on Home Row Keys
- Thumbs resting at Spacebar
- Eyes on your monitor

Students, when you are practicing at home; Ask your parent about your proper posture for typing. We want you to develop good habits right from the start. This will help you as you learn and grow in your skill. Also this will help you in years to come.

Home Row

Once you put your fingers on the [F] and

[J] keys; your other fingers should curve to go on the other keys.



[A] [S] [D] [F] [J] [K] [L] [;]

Feeling the bumps on [F] & [J]
With your 2 index fingers.

The Number One Rule,

With touch typing,

Do NOT Look at the
Keyboard - when you
Are practicing.

Look and learn where A specific [Key] is located,

then memorize which finger presses the key + the location. Then practice without looking.

Always find the [F] & [J] keys with your 2nd fingers and put your fingers on the home row - after each key is pressed. Very Easy typing keys on the home row... That is a good place to start.

I.D.E.

Integrated Development Environment

That is a fancy phrase for an editor. In our Coding 4 Kids class, we will use an I.D.E. called Brackets. This is a free download from Adobe, and has very good reviews. You can download for free from www.brackets.io . Many students have used and like Brackets.

Also we will learn about Windows File Explored (PC) , or Mac's "Finder" to store our exercises & downloads for class.

Each week we will create a new folder:
PC's - C:\Trinity\Coding4Kids\Week_2
Mac: Desktop\Trinity\Coding4Kids
\Week_2

This is where we will work on exercises, store our files, and downloads.

Next Week - We will begin with our On-Line resource. I will give each student Their login id + password.

Exercise:

Students, with your eyes closed. Find the [F] key with your left 2nd finger. Also find the [J] key with your right 2nd finger.

How did your do?

Take your hands off the keyboard, close your eyes and try that again.

Now lets load Brackets; there is a couple ways to do this. From your <Start> button you can find the Brackets icon. Or, launch windows explorers / Finder, then go to "This PC" , then C:<Drive>, Find C:\Trinity\Coding4Kids\
(make a new sub-folder)
C:\Trinity\Coding4Kids\Week_2
Exercise1.txt (in the downloads for today)

Now: first practice what we have learn already the [J] and [F] keys. Muscle memory is important; do practice will help. Type each row **again!**

Now lets practice with our little fingers:

aaa aaa aa a aaa aaa aaaa aa a

;;; ;;; ; ; ; ; ; ; ; ; ;

aaa aaa aa a aaa aaa aaaa aa a

;;; ;;; ; ; ; ; ; ; ; ; ;

Little Finger practice

aaa aaa aa a aaa aaa aaaa aa a

;;; ;;; ; ; ; ; ; ; ; ; ;

4th finger practice

sss ssss s sss s ssss sss ss s

lll llil l ll l llil llil l l

sss ssss s sss s ssss sss ss s

lll llil l ll l llil llil l l

sss ssss s sss s ssss sss ss s

lll llil l ll l llil llil l l

kkk kkkk k kk kkk k kkkk kk

ddd dddd d dd ddd d dddd dd

kkk kkkk k kk kkk k kkkk kk

ddd dddd d dd ddd d dddd dd

kkk kkkk k kk kkk k kkkk kk

ddd dddd d dd ddd d dddd dd

jjj jjj jjj jjj jjj jjj jjj jjj jjj jjj jjj jjj

fff fff fff fff fff fff fff fff fff fff fff fff fff fff

jjj fff jjj fff jjj fff jjj fff jjj fff jjj fff jjj fff jjj fff

fff jjj fff jjj fff jjj fff jjj fff jjj fff jjj fff jjj fff jjj

jjj fff jjj fff jjj fff jjj fff jjj fff jjj fff jjj fff jjj fff

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jfj jfj jfj jfj jfj jfj jfj jfj jfj jfj jfj jfj jfj jfj jfj

fjf fjf fjf fjf fjf fjf fjf fjf fjf fjf fjf fjf fjf fjf fjf

jfj jfj jfj jfj jfj jfj jfj jfj jfj jfj jfj jfj jfj jfj jfj

fjf fjf fjf fjf fjf fjf fjf fjf fjf fjf fjf fjf fjf fjf fjf

jjff jjff jjff jjff ffjj ffjj ffjj ffjj jjff jjff jjff jjff ffjj ffjj

ffjj ffjj ffjj ffjj ffjj ffjj ffjj ffjj ffjj ffjj ffjj ffjj

jffjj jffjj fjfff fjfff jffjj jffjj fjfff fjfff jffjj jffjj fjfff fjfff jffjj

<As necessary you can copy this into
Microsoft Notepad, or other editor.>

Use your little finger on your left hand for the [a] key,
and the 4th finger for the [s] key. Use the 3rd finger for the [d] key.
Type Each Row, exactly how you see it. Try hard not to look at the
keys!!

aaa aaa aaa aaa aaa aaa aaa aaa aaa aaa aaa

sss sss sss sss sss sss sss sss sss sss sss

asa asa asa asa asa asa asa asa asa asa asa

jasa jasa jasa jasa jasa jasa jasa jasa jasa jasa jasa

sas sas sas sas sas sas sas sas sas sas sas

jsas jsas jsas jsas jsas jsas jsas jsas jsas jsas

asd asd asd asd asd asd asd asd asd asd asd

jasd jasd jasd jasd jasd jasd jasd jasd jasd jasd

dsa dsa dsa dsa dsa dsa dsa jdsa jdsa jdsa jdsa

jfaf jfaf jfaf jfaf jfaf jfaf jfaf fjaj fjaj fjaj fjaj

asdf asdf asdf asdf asdf jasdf jasdf jasdf jasdf

fdsa fdsa fdsa fdsa fdsa fdsa jfdsa jfdsa jfdsa jfdsa

fsda fsda fsda fsda fsda fsdaj fsdaj fsdaj fsdaj fadaj

jasdf ajsdf asjdf asdjf asdfj jasdf ajsdf asjdf asdjf