**Class 9/20**

**web site building first class**

Create a new folder called" personal details"

create a new files called " app.rb "

create a new repository in git hub called " personal details "

go to sublime in app.rb file and type:

**require 'sinatra'**

**get'/' do**

**"hello charleston !"**

**end**

( it means telling powershell we are using sinatra, also telling browser say "hello charleston ")

**require sinatra** is my web server)

go to powershell type "gem install sinitra"

"gem install sinatra: has to be installed just once"

in powershell go to app.rb and type ruby app.rb, hit enter.

go to google in the browser type **localhost:4567,** hit enter ,

( we got 4567 from powershell : **has taken the stage on 4567 for development:** in powershell ),

you should see "hello charleston " on the browser.

Create a new folder in "peronal details", called "views",

create a new file in folder "views", called get\_name.erb

in get\_name.erb type: "Welcome to charleston, what is your name please ?"

go to app.rb and type the lines below:

**require 'sinatra'**

**get'/' do**

**erb :get\_name**  (just update this line)

**end**

run it in powershell (always on app.rb), click crtl C to stop it.

go to browser either hit refresh or localhost4567

you should see: " welcome to charleston , what is your name please ?"

in sublim, app.rb file type : ( the first part is telling powershell we are using sinatra, i want you to go get\_name.erb file and do what is that file)

in sublime, in file get\_name.erb type the lines below: ( this is html, telling the browser to create a text box and store what is typed in the text box .

**<form method="post" action="/name">**

**<input type="text" name="user\_name">**

**<input type="submit">** ( telling the browser to put a button that says submit)

**</form>**

save it, run it on powershell, click ctrl C to stop it, go to borwser and refresh you should see:

**welcome to charleston** , **what is your name please ?**

type your name in the box : lotfi..click on submit query ...and you should see:

## Sinatra doesn’t know this ditty.



Try this:

post '/name' do

"Hello World"

end

Copy from the browser (the below highlighted 3 lines),

**post '/name' do**

**"Hello World"**

**end**

paste it in sublime in file app.rb, go to power shell ( type ctrl C, type ruby app.rb, click enter, go to browser, refresh you should see :

Welcome to Charleston, what is your name please ?

type lotfi in the box you should see:

"hello world"

in sublime, in file app.rb :it`s telling the browser that you want it to display what is in the user name variable and assiging it to a local variable called name)

*in app.rb turn off the 3 lines below:*

*post '/name' do*

*# "Hello World"*

*# end*

and type the 4 lines below :

**post '/name' do**

**name=params[:user\_name]**

**"Hello #{name}"**

**end**

go to powershell click ctrl C to stop it,

type ruby app.rb click enter, go to browser hit refresh, you should see"hello lotfi"

in sublime in file app.rb type:

(just add this line :  **redirect '/age?users\_name=' + name :** after the line: "Hello #{name}"

we are adding another question to the exercise : age

you will have the lines below:

**post '/name' do**

**name = params[:user\_name]**

**redirect '/age?users\_name=' + name**  *( tells the browser after the name entered redirect to age****)***

**end**

add this lines below in app.rb

**get'/age' do** ( all the next 3 lines do the same thing it did for name but doing it for age)

**name = params[:users\_name].capitalize**

**"well hello #{name}"**

**end**

at this point you should have this in app.rb

**require 'sinatra'** ( this tells the browser we are using sinatra)

**get'/' do**  ( we gonna do a program)

**erb :get\_name** ( tells you where the function is)

**end**  (ends this portion of this program)

# post '/name' do (these 3 lines should be off)

# "Hello World"

# end

**post '/name' do**  (it`s going to display the result of that function)

**name=params[:user\_name]** ( you are defining the results )

**"Hello #{name}"** ( we are doing something with this result)

**redirect '/age?users\_name=' + name**  (don`t end completely , there is more to the program)

**end**

**get'/age' do**

**name = params[:users\_name].capitalize**

**"well hello #{name}"**

**end**

go to powershell type ctrl C to stop it , go to browser and refresh.

You should see:

Welcome to Charleston, what is your name please ?

enter your name : lotfi

You will get "well hello Lotfi"

create a file : get\_age.erb and type all this below:

it creates what it did for name creates it for age, the box and the question.

**hello <%= name %>. what is your age?**

**<form method="post" action="age">**

**<input type="number" name="user\_age">**

**<input type="text" name="user\_name" value=<%= name %> hidden>**

**<input type="submit">**

**</form>**

then go to app.rb and type ( either type or just add the difference) :

we are going to ask the user their name , their age and what their 3 favorite numbers are:

**post '/name' do**

**name=params[:user\_name]**

**redirect '/age?users\_name=' + name**

**end**

**get'/age' do**

**name = params[:users\_name].capitalize**

**erb :get\_age, :locals => {:name => name}**

**end**

**post '/age' do**

**age = params[:user\_age]**

**name = params[:user\_name]**

**redirect '/3\_fav\_num?users\_name=' + name + "&user\_age=" + age**

**end**

**get'/3\_fav\_num' do**

**name = params[:users\_name]**

**age = params[:user\_age]**

**erb :get\_3\_fav\_num, :locals => {:name => name, :age => age}**

**end**

run it on powershell, go to browser, refresh.

You enter name and age at the end you will get :

"So Lotfi you are 52. Can I ask you what your three favorite numbers are?

in get 3\_fav\_num.erb type:

**"So <%= name %> you are <%= age %>. Can I ask you what your three favorite numbers are?**

**<form method = "post" action = /3\_fav\_num>**

**<input type = "number" name = "number1">**

**<input type = "number" name = "number2">**

**<input type = "number" name = "number3">**

**<input type = "submit">**

**<input type = "text" name ="user\_name" value = <%= name %> hidden>**

**<input type = "number" name ="user\_age" value = <%=age%> hidden>**

**</form>**

in the app.rb file we need to add the below lines :

**post '/3\_fav\_num' do**

**age = params[:user\_age]**

**name = params[:user\_name]**

**num1 = params[:number1]**

**num2 = params[:number2]**

**num3 = params[:number3]**

**"so #{name} you are #{age} and your 3 favorite numbers are #{num1}, #{num2}, #{num3}"**

**end**

run it on powershell , go to browser, answer all the questions at the end you should get

so Lotfi you are 52 and your 3 favorite numbers are 73, 7443, 923