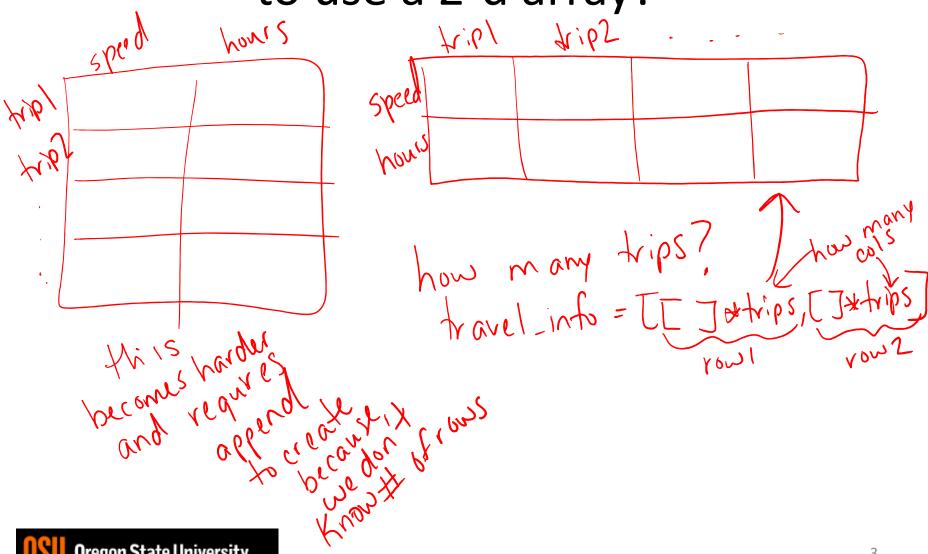
CS 160 CS Orientation

More Lists in Python...

Odds and Ends

- Assignment #9 posted, but don't freak out!!!
- Lab #8 this week will work toward finishing it.

How do we change the travel program to use a 2-d array?



```
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                                                                             Close
 1 def get speed():
 2
      return int(input("Enter speed: "))
 4 def get hours():
      return int(input("Enter hours: "))
 5
 6
 7 #we can pass a list and change it in a function
 8 def get travel info(info):
       trips=int(input("how many trips: "))
 9
10
11
       #can make it long way, instead of up/down, 2 rows and n columns
12
       info=[[0]*trips, [0]*trips]
13
14
       for i in range(trips):
15
          #This makes it up and down, n rows and 2 columns
16
          info.append([])
17
          info[i].append(int(input("Enter speed: ")))
18
          info[i].append(int(input("Enter hours: ")))
19
20
          #If we create it with [[0]*trips, [0]*trips]
21
          info[0][i]=int(input("Enter speed: "))
22
          info[1][i]=int(input("Enter hours: "))
23
24
25 def travel distance(speed, hours):
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      Orcyon State University
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17
          info[i].append(int(input("Enter speed: ")))
18
          info[i].append(int(input("Enter hours: ")))
19
20
          #If we create it with [[0]*trips, [0]*trips]
          info[0][i]=int(input("Enter speed: "))
21
22
          info[1][i]=int(input("Enter hours: "))
23
24
25 def travel distance(speed, hours):
26
      #for h in range(hours):
27
          print((h+1)*speed)
28
      for h in range(1,hours+1):
29
         print(h*speed)
30
31 def main():
32
      travel info=[] #create a list
33
      get travel info(travel info) #we can change a list in a funciton
34
35
      for i in range(len(travel info)): #how many rows, trips
36
         travel distance(travel info[i][0],travel info[i][1]) #pass list elements
37
38
      for i in range(len(travel info[0])): #how many cols in a row
39
         travel distance(travel info[0][i], travel info[1][i]) #pass list elements
40
41
      #travel distance(get speed(),get hours())
42
43 main()
                                                                    43,1
                                                                                  Bot
```

1-D heat diffusion ruct.pack("f", unewlo]) old = # [init] +s
segments not bound

s= equation unewlx]) rd [o] = |eft F.wrkelsting u-old [segments-]=right

same for u.new