#Lab 2:  
  
#2  
print '' \  
  
print 3 + 3  
print 13 \* 2  
print 12 - 1  
print 12 / 2  
print 1 + 1  
print 10 - 2  
print 3 / 3  
print 32 / 2  
print 1 / 1  
print 1359 + 948  
print 2 \* 2 \* 2  
  
#3  
print '' \  
  
print 5 < 2  
print -1 > 1  
print 1 + 6 < 1 + 1  
print 101 > 10112  
print 1/1 < 0  
  
#4  
print '' \  
  
print 1 + 1 > 0  
print 1 + 0 < 2  
print 12 \* 1 > 11/1  
print 1 \* 3 < 120/2  
print 12 \* 124 > 1  
  
#6 If you want to equate items(true or false statement) use double = : ==  
#5  
my\_name = 'Ali Muwwakkil'  
my\_birthdate = '2017-09-23'  
my\_age = '35'  
my\_deathdate = '70.5'  
  
print ''  
print 'Hello, my name is', my\_name,',it is a pleasure to meet you.'  
print 'My birthdate is', my\_birthdate, '.'  
print 'I am currently', my\_age,'.'  
print 'My projected death date is when I am', my\_deathdate,"."  
print ''  
  
print 'Lets talk about %s.' % my\_name #formatted strings  
print 'His name is %s, and he is %s.' % (my\_name, my\_age) #multiple formatted strings  
print 'This is a test of %s' % my\_birthdate  
print 'I wouldn\'t be able to pull my %s' % my\_birthdate  
#It's important to note that %s = text string(anything with in single quotation marks.)  
#and %d is value, or number.  
  
#6  
print ''  
  
Cars = ['Ford', 'Honda', 'Subaru', 'Lamborghini', 'GMC', 'Hyundai', 'Tesla', 'Lexus', 'Toyota', 'Supra']  
print Cars[0]  
print Cars[1]  
print Cars[2]  
print Cars[3]  
print Cars[4]  
print Cars[5]  
print Cars[6]  
print Cars[7]  
print Cars[8]  
print Cars[9]  
  
# to add to list use .append = Cars.append('Focus RS')  
# to extend list with another list use .extend = Cars.extend(insert\_otherlist)  
  
#7  
print ''  
print Cars[2]  
  
#8  
print ''  
print Cars[8]  
  
#9  
Cars.remove('Lamborghini')  
print Cars[3]  
#Take note that when you remove a value, the next item moves down and fills its spot.  
#Deleted 'Lamborghini' and the one after it, GMC, came down with it.  
  
#10 Updating an entry  
print''  
Cars[4] = 'Ali-Muwwakkil'  
print Cars[4]  
  
#11  
print''  
  
print len(Cars)

