General Points

- Use the course material located at:
  - Python @ ACC - Welcome! through Data Types - Sets
- Create a file named program06.py.
- Note: There is no data hard-coded in the program except for the two tuples. *All data is entered by the user.*

See the Code and Output at the end of this document for additional guidance.

BigTime Boat Sales

BigTime Boats sells boats at three locations in Texas (Austin, Dallas, Houston). Write a program to record sales for sales reps that the user enters. For each sales rep that the user enters, record sales for Thursday, Friday, and Saturday for Week One and Week Two. See the sample code attached.

See the Code and Output at the end of this document for additional guidance.

Requirements (these are the requirements to identify by *number*):

1. Output a header in the console: "This is Program06 - <yournamehere>"
2. Print "This program uses lists, strings, tuples, and dictionaries."
3. Create two tuples - one for two weeks named "Week One" and "Week Two" and one for three days of the week (Thursday, Friday, Saturday).
4. Use nested loops to *Enter Sales Results* (as shown in the output). Rep names must be entered with a space between names and the first letters of first and last names capitalized.
5. Use nested loops to *Print Sales Results* (as shown in the output).
6. Populate a dictionary with dealer location *keys* and dealer URL *values*.
7. Use existing sales rep names and URL information to construct and output email addresses as shown (convert to all lowercase and separated by _).
8. Print a statement describing your experiences with Program06. Make this authentic (minimum of 2-3 sentences).

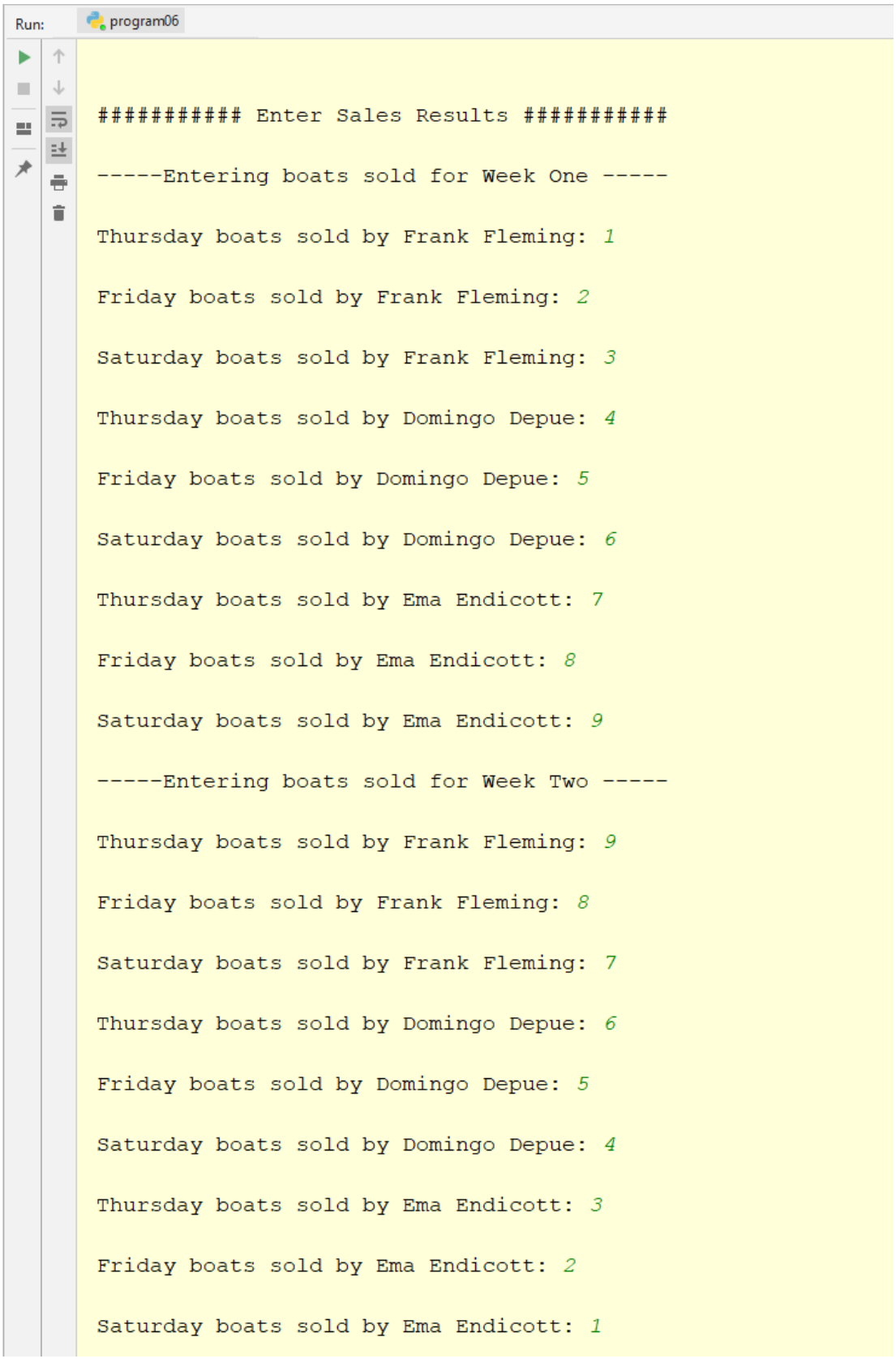
TEST – TEST – TEST your application to ensure the requirements are met.

- Use the list above and the common requirements as a checklist.
- Not meeting all requirements = 0 points for the assignment.

ITSE 1359 – Program06

program06.py

```
# program06.py

# Two tuples
weeks = ('Week One', 'Week Two')
days = ('Thursday', 'Friday', 'Saturday')

# Populate the sales_rep information into two lists
# This is just TEST DATA. You will need to write a loop for
# the user to enter data to populate the lists.
# The indices in the lists provide parallel association
# (e.g. Frank is in Austin and Ema is in Houston)
sales_rep_names = ['Frank Fleming', 'Domingo Depue', 'Ema Endicott']
sales_rep_locations = ['Austin', 'Dallas', 'Houston']

# Create three lists
boats_sold_thursday = []
boats_sold_friday = []
boats_sold_saturday = []

# Populate boats_sold_ lists
# Enter Sales Results
print('\n############ Enter Sales Results ############')
for  in :
    print('\n-----Entering boats sold for {} -----'.format( ))
    for  in :
        boats_sold_thursday.append(int(input(
            '\nThursday boats sold by {}: '.format( )))
        boats_sold_friday.append(int(input(
            '\nFriday boats sold by {}: '.format( )))
        boats_sold_saturday.append(int(input(
            '\nSaturday boats sold by {}: '.format( )))

# Print Sales Results
print('\n############  Print  Sales Results ############')
j = 0
for  in :
    print('\n----- {} Results -----'.format(week))
    for  in :
        print('\n{} sold {} on Thursday'.format( ))
        print('\n{} sold {} on Friday'.format( ))
        print('\n{} sold {} on Saturday'.format( ))
        j += 1

# Create a dictionary to store the website URLs for each boat dealer
dealer_URLs = {}

# Populate the dictionary
print('\n############ Enter Dealership URLs ############')
for  in :
    URL = input('\nEnter the URL for {}: '.format( ))
    dealer_URLs[ ] = URL

# Print sales reps email addresses
print('\n----- Contact sales reps at their email addresses: -----')
i = 0
for  in :
    sales_rep = sales_rep.
    sales_rep = sales_rep.
    print('\n {}@{}'.format( )
    i += 1

```


Run:
program06
########### Enter Sales Results ###########
-----Entering boats sold for Week One -----
Thursday boats sold by Frank Fleming: 1
Friday boats sold by Frank Fleming: 2
Saturday boats sold by Frank Fleming: 3
Thursday boats sold by Domingo Depue: 4
Friday boats sold by Domingo Depue: 5
Saturday boats sold by Domingo Depue: 6
Thursday boats sold by Ema Endicott: 7
Friday boats sold by Ema Endicott: 8
Saturday boats sold by Ema Endicott: 9
-----Entering boats sold for Week Two -----
Thursday boats sold by Frank Fleming: 9
Friday boats sold by Frank Fleming: 8
Saturday boats sold by Frank Fleming: 7
Thursday boats sold by Domingo Depue: 6
Friday boats sold by Domingo Depue: 5
Saturday boats sold by Domingo Depue: 4
Thursday boats sold by Ema Endicott: 3
Friday boats sold by Ema Endicott: 2
Saturday boats sold by Ema Endicott: 1

```
###########   Print  Sales Results ###########

----- Week One Results -----

Frank Fleming sold 1 on Thursday

Frank Fleming sold 2 on Friday

Frank Fleming sold 3 on Saturday

Domingo Depue sold 4 on Thursday

Domingo Depue sold 5 on Friday

Domingo Depue sold 6 on Saturday

Ema Endicott sold 7 on Thursday

Ema Endicott sold 8 on Friday

Ema Endicott sold 9 on Saturday

----- Week Two Results -----

Frank Fleming sold 9 on Thursday

Frank Fleming sold 8 on Friday

Frank Fleming sold 7 on Saturday

Domingo Depue sold 6 on Thursday

Domingo Depue sold 5 on Friday

Domingo Depue sold 4 on Saturday

Ema Endicott sold 3 on Thursday

Ema Endicott sold 2 on Friday

Ema Endicott sold 1 on Saturday
```

```
########### Enter Dealership URLs ###########

Enter the URL for Austin: bigtimeboatsaustin.com

Enter the URL for Dallas: bigtimeboatsdallas.com

Enter the URL for Houston: bigtimeboatshouston.com

----- Contact sales reps at their email addresses: -----

 frank_fleming@bigtimeboatsaustin.com

 domingo_depue@bigtimeboatsdallas.com

 ema_endicott@bigtimeboatshouston.com

 <Enter your experiences with Program 06 here.>

Process finished with exit code 0
```