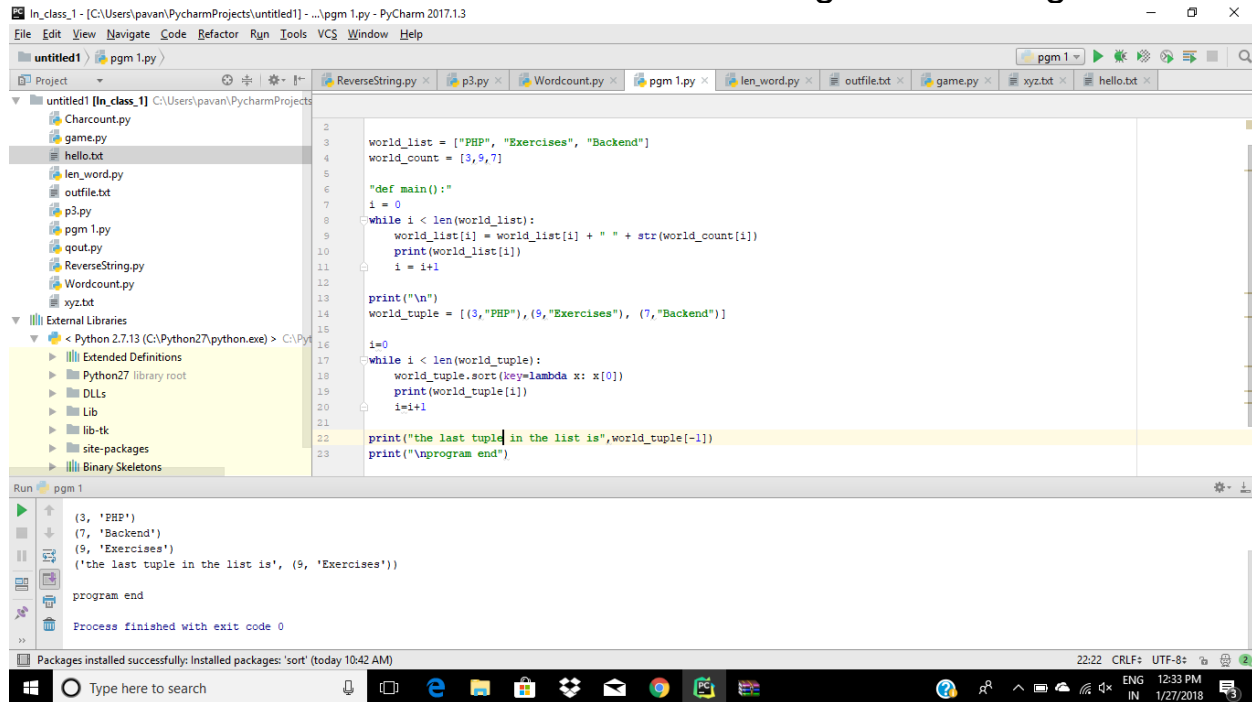


In Class Submission - 2

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1. Takes a list of words and returns the length of the longest one



The screenshot shows the PyCharm IDE with a project named 'untitled1'. The file explorer on the left shows a directory structure with files like 'Charcount.py', 'game.py', 'hello.txt', 'len_word.py', 'outfile.txt', 'p3.py', 'pgm 1.py', 'qout.py', 'ReverseString.py', 'Wordcount.py', and 'xyz.txt'. The 'Run' tab at the bottom shows the output of the program 'pgm 1'.

```
1 world_list = ["PHP", "Exercises", "Backend"]
2 world_count = [3, 9, 7]
3
4 def main():
5     i = 0
6     while i < len(world_list):
7         world_list[i] = world_list[i] + " " + str(world_count[i])
8         print(world_list[i])
9         i = i+1
10
11 print("\n")
12 world_tuple = ((3,"PHP"), (9,"Exercises"), (7,"Backend"))
13
14 i=0
15 while i < len(world_tuple):
16     world_tuple.sort(key=lambda x: x[0])
17     print(world_tuple[i])
18     i=i+1
19
20 print("the last tuple in the list is", world_tuple[-1])
21 print("\nprogram end")
```

Run pgm 1

```
(3, 'PHP')
(7, 'Backend')
(9, 'Exercises')
('the last tuple in the list is', (9, 'Exercises'))
program end
Process finished with exit code 0
```

Packages installed successfully: Installed packages: 'sort' (today 10:42 AM)

22:22 CRLF+ UTF-8: 12:33 PM 1/27/2018

2. Read a file which contains one word in each line. Then Calculate the character frequency in each line. Write down the result in another file:

```
1 # text = f.read().splitlines() # list of lines #
2
3 infile = open('xyz.txt', 'r')
4 outfile = open('outfile.txt', 'w')
5 count = 0
6 line = infile.readline()
7
8 while line != "":
9     len(line)
10    count = count + 1
11    line=line[:len(line)-1]
12    print(line,len(line))
13
14    outfile.write(line + "," + str(len(line)) + "\n")
15    line = infile.readline()
16
```

Run len_word

C:\Python27\python.exe C:/Users/pavan/PycharmProjects/untitled1/len_word.py

('hello', 5)
('hai', 3)
('how', 3)
('are', 3)
('you', 3)

Process finished with exit code 0

Output in file :

```
1 hello,5
2 hai,3
3 how,3
4 are,3
5 you,3
6
```

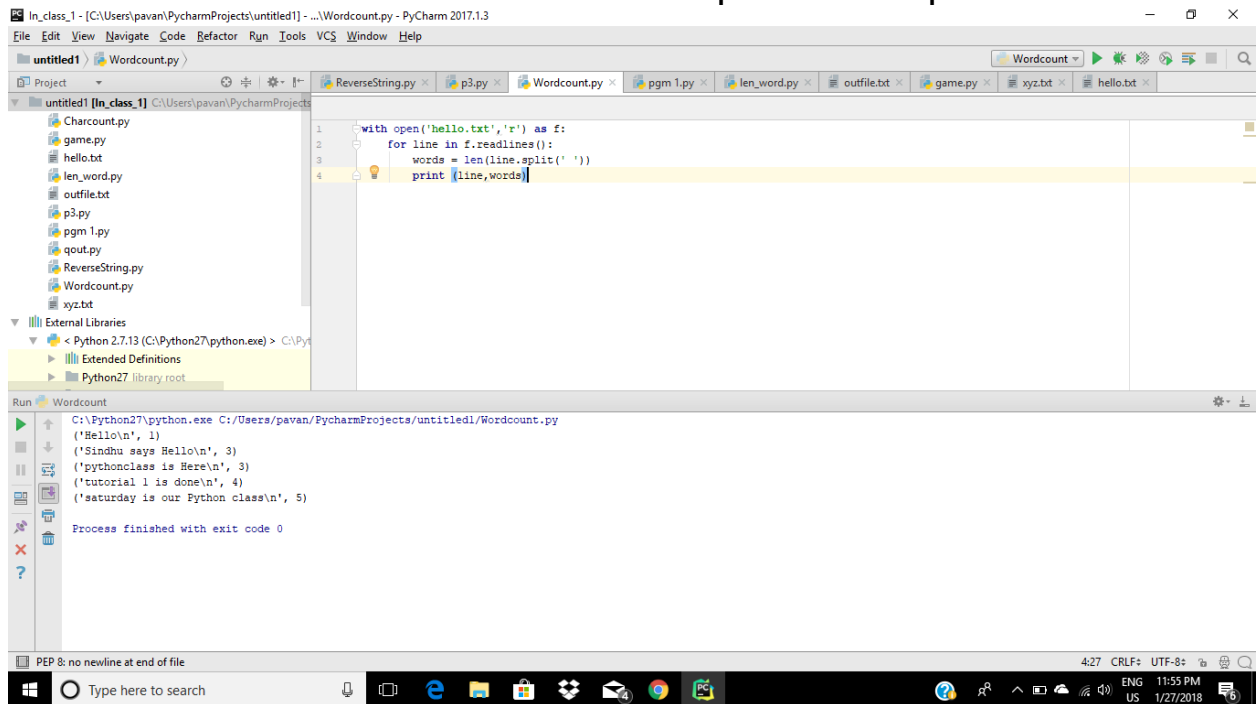
Run len_word

C:\Python27\python.exe C:/Users/pavan/PycharmProjects/untitled1/len_word.py

('hello', 5)
('hai', 3)
('how', 3)
('are', 3)
('you', 3)

Process finished with exit code 0

3. Count the number of words in a file and print the output.



4. Draw a Game board :

