☐ SABlythe / CSC24400-Spring2021

```
<> Code
               (!) Issues
                            Pull requests
                                                Actions
                                                               Projects
                                                                              Security

✓ Insights
 Added some overloaded operators.
                                                                                         Browse files
 ٢° main
 SABlythe committed 4 days ago1 parent fdabb47 commit 6ad568a418169896f739631529285320638e0bb7
Showing 4 changed files with 96 additions and 4 deletions.
                                                                                         Unified
                                                                                                  Split

√ 17 ■■■■■ PFA_2_25/Makefile 

□

                @@ -0,0 +1,17 @@
                + CC = g++ -c -Wall -ansi -pedantic
                + LN = g++
           4
                + OBJS = main.o PartiallyFilledArray.o
           5
           6
                + pfa: $(OBJS)
           8
                       $(LN) -o pfa $(OBJS)
           9
           10
                + main.o: main.cpp PartiallyFilledArray.hpp
                       $(CC) main.cpp
           13
                + PartiallyFilledArray.o: PartiallyFilledArray.cpp PartiallyFilledArray.hpp
           14
                       $(CC) PartiallyFilledArray.cpp
           15
           16
                + clean:
           17
                       /bin/rm -f $(OBJS) pfa *~
      33 PFA_2_25/PartiallyFilledArray.cpp
   25
                    currSize++;
   26
           26
                  }
           27
           28
                + PartiallyFilledArray::operator+=(const std::string &toAdd)
                    add(toAdd);
```

```
33
        34
             + void
             + PartiallyFilledArray::operator+=(const PartiallyFilledArray &otherPFA)
        37
                  for (int index=0; index < otherPFA. currSize; index++)</pre>
        38
        39
                      *this += otherPFA._array[index];
        40
        41
             + }
        42
        43
             + string&
             + PartiallyFilledArray::operator[] (int index)
        45
        46
                 if (index < _currSize)</pre>
        47
                   return _array[index];
        48
                  else
        49
                    {
                      cerr << "invalid index (" << index << ") ... size is "</pre>
        50
        51
                         << currSize << endl;
        52
                      string *answer = new string;
                      return *answer;
        54
                    }
             + }
        56
28
        57
29
        58
                ostream&
30
        59
                PartiallyFilledArray::print(ostream &toThisStream) const
38
        67
                }
39
        68
40
        69
        70
             + std::ostream& operator<<(std::ostream &os, const PartiallyFilledArray &pfa)
        71
             + {
        72
                 return pfa.print(os);
        73
             + }
```

```
y 15 ■■■■ PFA 2 25/PartiallyFilledArray.hpp 

□

             @@ -1,4 +1,3 @@
       . . .
 1
                #include<iostream>
 2
         1
 3
         2
                #include<string>
 4
         3
13
        12
                  PartiallyFilledArray(int maxSize);
14
        13
15
        14
                  void add(const std::string &toAdd);
        15
                  void operator+=(const std::string &toAdd);
```

```
16
                  void operator+=(const PartiallyFilledArray &toAdd);
        17
        18
                  std::ostream& operator<<(std::ostream &os) const;</pre>
        19
16
        20
17
                  std::ostream& print(std::ostream &toThisStream) const;
        21
                  std::string& operator[] (int index);
        23
18
        24
                  std::ostream& print(std::ostream &toThisStream) const;
19
        26
        27
                  friend std::ostream& operator<<(std::ostream &os,</pre>
        28
                                                  const PartiallyFilledArray &pfa);
20
        29
                };
        30
        31
```

```
√ 35 PFA_2_25/main.cpp

□

12
       12
                noBound.add("steve");
13
       13
                noBound.add("duncan");
14
       14
                noBound.add("gabriella");
       15
       16
                fifty.add("CSC14400");
       17
                fifty.add("CSC24400");
                fifty.add("CSC36000");
       18
                fifty.add("CSC99900");
       19
       20
       21
               fifty+= "MTH27100";
                fifty+= "CSC30500";
15
       23
       24
16
17
                noBound.print(cout);
18
                fifty.print(cout);
       25
                // noBound.print(cout);
       26
                cout << noBound; // operator<<(cout, noBound); // non-member function</pre>
       27
                cout << "=======" << endl
       28
                    <<fifty << endl;
       29
       30
            +
                cout << "=======" << endl;</pre>
       31
       32
                cout << fifty[99821] << endl;</pre>
       34
                fifty+=noBound;
            +
                cout << "=======" << endl
```

```
36
                << fifty;
     37
            //fifty.print(cout);
     38
     39
             PartiallyFilledArray copy;
     40
     41
             copy = fifty;
     42
     43
             cout << fifty << "=======" <<endl;</pre>
     44
             cout << copy << "======" << endl;</pre>
     45
             copy[1]= "CSC43000";
     46
     47
     48
            cout << fifty << "=======" <<endl;</pre>
     49
             cout << copy << "=======" << endl;</pre>
19
     50
20
     51
             return 0;
21
     52
           }
```

0 comments on commit 6ad568a

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