```
C:\DEEPAK\infs 519\hw3>javac ExBST.java

C:\DEEPAK\infs 519\hw3>java ExBST 2017-11-02-Assignment-#3-Tree-Building-Transactions.tx
120 inserted
320 inserted
385 inserted
192 inserted
625 inserted
86 inserted
43 inserted
32 inserted
745 inserted
890 inserted
150 inserted
20 inserted
26 inserted
800 inserted

height of tree is: 4

                    890

            800

                    745

        625

            385

320

            192

                    150

        120

                    86

            43

                        32

                    26

                        20
number of nodes is: 14


90 inserted
28 inserted
95 inserted
160 inserted
370 inserted
380 inserted
```

```
380 inserted
900 inserted
895 inserted
100 inserted

height of tree is: 5
                        900
                895
                        890
          800
                745
      625
                385
          380
                370
320
                      192
                160
                      150
          120
                          100
                    95
                90
                    86
      43
                32
                    28
          26
                20
number of nodes is: 23

end of processing line
```

```
C:\Windows\system32\cmd.exe

 Start of new tree
400 inserted
640 inserted
522 inserted
809 inserted
185 inserted
212 inserted
91 inserted
140 inserted
313 inserted
290 inserted
912 inserted
element212found
element809found
-1
201 inserted
585 inserted
43 inserted
620 inserted
545 inserted
393 inserted
element212found
212 deleted from the tree
element290found
-1
element201found
300 inserted

height of tree is: 5

                        912

                809

                        640

                620

                585

                        545

        522

                400

                        393

313

        300

                290

                                201

                        185
```

```
                              185
                    140
                         91
                                43
number of nodes is: 17


end of processing line


 Start of new tree
280 inserted
340 inserted
400 inserted
443 inserted
619 inserted
187 inserted
123 inserted
228 inserted
432 inserted
99 inserted
111 inserted
108 inserted
145 inserted
175 inserted
163 inserted
411 inserted
421 inserted
393 inserted
155 inserted
159 inserted
element163found
167 inserted
404 inserted
407 inserted
157 inserted
element 155 already present
element421found
443 deleted from the tree
Sorry 394 is not present
element411found
-1
-1
-1
Sorry 443 is not present
443 inserted
element443found
element 443 already present
163 deleted from the tree
163 inserted
element407found
371 inserted
620 inserted
384 inserted
```

```
384 inserted
352 inserted
640 inserted
660 inserted
680 inserted
700 inserted
720 inserted
element680found
660 deleted from the tree
-1
element720found

height of tree is: 7
                                720
                            700
                        680
                    640
                                620
                            619
                                443
                        432
                                421
                            411
                                407
            404
                        400
                    393
                            384
                        371
                            352
340
                    280
                        228
                187
                    175
```

```
                                  421
                      411
                          407
         404
                400
          393
                    384
              371
                    352
340
                280
                    228
            187
              175
                  167
                            163
                         159
                     157
                        155
         145
              123
           111
                  108
              99
number of nodes is: 32

end of processing line

 Number of trees built:3 Number of trees displayed:4

C:\DEEPAK\infs 519\hw3>
```