Panji Iman Baskoro 171111023 Praktikum Pemprograman Dasar 2

QUIZ

LinkedListNode.java

```
01. import java.util.ArrayList;
02. public class LinkedListNode {
    LinkedListNode next;
    LinkedListNode prev;
06. ArrayList<addhashdata> data;
07.
08. /*
09. *Constructor set this.data into new_data
10. * set this.next into */
12. LinkedListNode(ArrayList<addhashdata> new_data) {
    this.data = new_data;
    this.next = null;
15. this.next = null;
16. }
17. /* set this.prev into other
19. * if other is not null, set */
20. void set_prev(LinkedListNode other) {
    this.prev = other;
    if (other != null) {
        other.next = this;
    }
24. }
25. }
26. 
27. /* set this.next into other
28. * if other is not null, set other.prev into this
29. */
30. void set_next(LinkedListNode other) {
    this.next = other;
    if (other != null) {
        other.next = this;
    }
30. void set_next(LinkedListNode other) {
        this.next = other;
        if (other != null) {
            cother.prev = this;
        }
31. other.prev = this;
    }
32. if (other != null) {
            cother.prev = this;
        }
33. }
34. }
35. }
```

queueue.java

```
public class queueue{
    03
                                         LinkedListNode head:
                                        LinkedListNode tail;
    05
                                        queueue() {
   this.head = null;
    08
                                                      this.tail = null:
   09.
10.
11.
12.
13.
14.
15.
16.
                                         /* First set a Node named current into head
                                       * while current is not null, print current.data, set current = * print end of line
                                        void print() {
    LinkedListNode current = this.head;
                                                      int i = 1:
   18.
19.
21.
223.
244.
256.
277.
283.
334.
355.
337.
388.
337.
388.
366.
577.
559.
660.
668.
667.
777.
774.
776.
777.
774.
776.
777.
774.
777.
774.
777.
                                                      while (current != null) {
                                                                    System.out.println(current.data);
current = current.next;
i = i+1;
                                                      if(this.head == null){
    System.out.println("kosong");
                                                      }else{
                                                                     System.out.println("");
                                       public int size() {
                                                      int r = 0;
LinkedListNode current = this.head;
                                                      while (current != null) {
    current = current.next;
                                                                     r = r+1;
                                    }
                                       /* if LinkedList is empty, set new_node as head and tail
* if LinkedList is not empty, set tail.next into new_node, set
    new_node.prev into tail, and make new_node a new tail
*//
                                      void push(LinkedListNode new_node) {
  if (this.head == null && this.tail == null) {
    head = new_node;
    tail = new_node;
}
                                                     tall = new_node,
} else {
  tail.next = new_node;
  new_node.prev = tail;
  tail = new_node;
                                        /* declare a node named taken
* if LinkedList is empty, set taken into null
* if linkedList consists only one node, set taken = head, set both head
and tail into null
* if linkedList consists of two or more nodes, set taken = head.
                                             if linkedList consists of two or more nodes, set taken = head,
                                        set head.next into new head, cut off all the link between taken and head

* return taken
                                      */
LinkedListNode qpop() {
   LinkedListNode taken = null;
   if (this.head == null && this.tail == null) {
      taken = null;
   } else if (this.head == this.tail) {
      taken = head;
      head = null;
      tail = null;
   } else f
                                                      } else {
   taken = head;
                                                                    //tail.prev.next = null;
head = head.next;
                                                      return taken:
                                        /* declare a node named taken
* if LinkedList is empty, set taken into null
* if linkedList consists only one node, set taken = tail, set both head
' tale ' t
                                         and tail into null
   85
86
87
                                        * if linkedList consists of two or more nodes, set taken = tail,
set tail.prev into new tail, cut off all the link between taken and tail
* return taken
   88.

90.

91.

92.

93.

94.

95.

96.

97.

98.
                                      */
LinkedListNode spop() {
   LinkedListNode taken = null;
   if (this.head == null && this.tail == null) {
      taken = null;
   } else if (this.head == this.tail) {
      taken = tail;
      head = null;
      tail = null;
      tail = null;
   }
}
                                                                     tail = null;
                                                     tall = null;
} else {
  taken = tail;
  tail.prev.next = null;
  tail = tail.prev;
    99
100.
102.
103.
                                                      return taken;
104.
```

HashData.java

```
//import java.util.Scanner;
          import java.util.Hashtable;
import java.util.Random;
import java.util.ArrayList;
import java.math.*;
03.
04.
06.
          class addhashdata{
07.
08.
                  String nama;
09.
                  int harga;
10.
                  addhashdata(String b, int c){
11.
                         nama = b:
12.
                         harga = c;
13.
14.
15.
          public class HashData{
16.
                 static Hashtable<String,ArrayList<addhashdata>> proses(){
                         Hashtable<String, ArrayList<addhashdata>> data = new Hashtable<String, ArrayList<addhashdata>>();
ArrayList<addhashdata> AofD = new ArrayList<addhashdata>();
17.
18.
                         ArrayList<String> namaB = new ArrayList<String>();
ArrayList<Integer> hargaB = new ArrayList<Integer>();
19.
20.
21.
                        namaB.add("Sampo");
namaB.add("beras");
namaB.add("sapu");
namaB.add("krupuk");
namaB.add("krupuk");
namaB.add("sambel");
namaB.add("sambel");
namaB.add("solder");
namaB.add("coklat");
namaB.add("coklat");
namaB.add("fanta");
namaB.add("fulpen");
23.
24.
25.
26.
27.
28.
29.
31.
32.
33.
34.
35.
36.
                         hargaB.add(10000);
37.
                         hargaB.add(15000);
                         hargaB.add(7000);
hargaB.add(153000);
hargaB.add(23000);
38.
39.
40.
41.
                         hargaB.add(9000);
                         hargaB.add(4000);
hargaB.add(50000);
42.
43.
44.
                         hargaB.add(70000);
45.
                         hargaB.add(89000);
                         hargaB.add(100000);
hargaB.add(230000);
46.
47.
48.
                         hargaB.add(32300);
49.
                         for(int i = 0; i < hargaB.size(); i++){
   AofD = new ArrayList<addhashdata>();
   AofD.add(new addhashdata(namaB.get(i), hargaB.get(i)));
   data.put(("B"+i),AofD);
}
50.
51.
52.
53.
54.
                          return data;
56.
57.
                 static ArrayList<String> random(){
   ArrayList<String> dato = new ArrayList<String>();
   for(int x=0; x<5;x++){
      Random a = new Random();</pre>
58.
59
60.
61.
62.
                                 int y = a.nextInt(11);
63.
                                 dato.add("B"+y);
64.
65.
                         return dato;
66.
67.
```

addQ.java

MainApp.java

Output:

```
budosen@budosen-pc:/mnt/b2c7efbf-ef52-437d-8ca7-e46ea581cbba/Kuliah/materikuliah/Semester 3/Praktikum Pemprogram
n Dasar 2/quiz$ javac *.java -Xdiags:verbose && java MainApp
Selamat datang di aplikasi tebak harga
coba tebak harga barang di bawah ini :
=========
Susu
coklat
Sampo
Sampo
charger
Berapa harga untuk : Susu
Berapa harga untuk : coklat
20000
Berapa harga untuk : Sampo
300000
Berapa harga untuk : Sampo
40000
Berapa harga untuk : charger
100000
Hasil Jawaban
Barang Jawaban anda
                             Harga asli
                                                 harga yang anda pilih selisih harga
                                                                   10000
coklat
                   Salah
                                      100000
                                                                   20000
Sampo
                   Salah
                                      10000
                                                                   300000
                                                                                       290000
Sampo
                   Salah
                                      10000
charger
                   Salah
                                                                   100000
                                                                                       30000
                                                                                                                   note : jika harga yang anda masukkan memiliki selisih tidak lebih dari 3000
Apakah ingin main lagi? (Y/T)
```

github : https://github.com/bijancot/materikuliah/tree/master/Semester%203/Praktikum%20Pemprograman%20Dasar%202/quiz