Homework: Review II

1.

String str = in.nextLine();

// a

for (int i = 0; i < str.length(); i++) {

if (Character.*isUpperCase*(str.charAt(i))) {

System.***out***.println(str.charAt(i));

}

}

// b

for (int i = 0; i < str.length(); i++) {

(i % 2 == 1) {

System.***out***.println(str.charAt(i));

}

}

// c and d

char[] vowel = new char[] { 'a', 'e', 'i', 'o', 'u', 'y' };

boolean check = false;

int numVowel = 0;

for (int i = 0; i < str.length(); i++) {

for (char c : vowel) {

if (c == str.charAt(i)) {

System.***out***.println("\_");

check = true;

numVowel++;

}

}

if (!check) {

System.***out***.println(str.charAt(i));

}

check = false;

}

System.***out***.println(numVowel);

// e

for (int i = 0; i < str.length(); i++) {

for (char c : vowel) {

if (c == str.charAt(i)) {

System.***out***.println(i);

}

}

}

2.

a. 1111111111

b. 1111111111

c. 1111111111

d. 1111111111

e. 12345678910

f. 1030507090

g. 1030510305

h. 1030110305

3.

int max = -99999999;

int min = 99999999;

for (int num: a) {

if (num > max) {

max = num;

}

if (num < min) {

min = num;

}

}

4.

int last = -999999;

boolean isOrdered = true;

for (int num: a) {

if (num < last) {

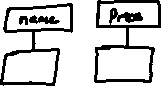
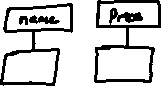
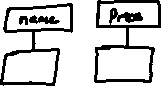
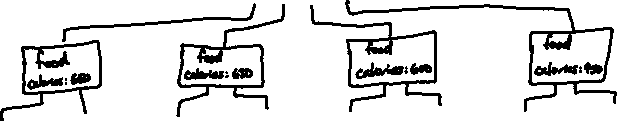
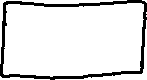
isOrdered = false;

}

last = num;

}

5.



i. false

ii. “breakfast\_menu”

iii. 4

iv. false

v. food

vi. true

vii. “food”

viii. 2

ix. true

x. 630

xi. false

xii. true

xiii. “Blueberry Pancakes”

<breakfast\_menu>

  <food calories="650">

    <name price=”$5.95”>Belgian Waffles</name>

  </food>

  <food calories="630">

    <name price=”$4.95”>Blueberry Pancakes</name>

  </food>

  <food calories="600">

    <name price=”$4.50”>French Toast</name>

  </food>

  <food calories="950">

    <name price=”$6.95”>Homestyle Breakfast</name>

  </food>

</breakfast\_menu>

