Multiple choice

3.1 E

3.2 D

3.3 E

3.4 A

3.5 D

3.6 E

3.7 D

3.8 B

3.9 D

3.10 A

True/False

3.1 True

3.2 True

3.3 False

3.4 False

3.5 True

3.6 False

3.7 True

3.8 True

3.9 False

Short Answer

3.1

3.2

If (total == MAX && Total < sum) {

System.out.println (“Total == MAX and is < sum”);

} else {

System.out.println (“Total is not equal to MAX”);

}

3.3 No the if statement uses an assignment operator for the if statement instead of a comparison operator

3.4 The code produces:

Apple

Orange

3.5 The code produces:

Lime

Grape

3.6 The strings in lexicographic order are:

" "

\*\*\*\*\*\*

12345

6789

;+<?

?-?-?-?

Ethel

HEPHALUMP

Lucy

^^^^^^^^^^

book

bookkeeper

fred

hephalump

ricky

{ ( [ ] ) }

3.7 The code produces lines displaying, 2, 4, 6, 8 all the way until 20

3.8 The code produces lines dip laying 2, 4, 6, 8 all the way to 200

3.9 It prints ever number divisible by 4 between 0 and 200

3.10

for (int num = 1; num < 20; num++) {

System.out.println (num);

}

3.11 the while loop will continue forever, in the loop you could subtract 1, you could set count to 0 and test if it is grater than or equal to 50, or you could test if count is less than or equal to 100

3.12

boolean positive = false;

int value;

while (!run) {

System.out.println (“Enter a posotive value”);

value = scanner.nextInt();

if (value < 0) {

System.out.println (“Enter a posotive value”);

value = scanner.nextInt();

} else {

System.out.println (“thanks!”);

posotive = true;

}

}

System.out.println (“you entered the positive value of: “ + value);

3.13

Boolean run = true;

SENTENIAL = 0;

int val;

while (run) {

val = scanner.nextInt(system.in);

if (val == SENTENIAL) {

run = false;

} else {

System.out.println (val)

}

}

3.14

for (int x = 1; x < 100; x++) {

System.out.println (x);

}

3.15

for (int mult = 300; mult > 3; mult—) {

if (mult%3 == 0) {

system.out.println (mult);

}

}

3.16

enum Month {january, febuary, march, april, may, june, july, august, september, november, december}

public static void main (String[] args)

{

System.out.println (“All the months!”);

for (Flavor f: Flavor.values())

{

System.out.println(f);

}

}

3.17

int values\_ent = 0, current = 0, new;

while (values\_ent <= 10) {

System.out.println (“Enter a value: “);

new = scanner.nextInt();

if (new > current) {

current = new;

values++;

} else {

values++;

}

}

System.out.println (“The highest value you entered was: “ + current);

3.18

String name = “Alex Probst”;

int counter = 0;

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

if( s.charAt(i) == 'a' ) {

counter++;

}

}

System.out.ptintln (counter);

3.19

3.20

AP Style

3.1 A

3.2 E

3.3 A

3.4 E

3.5 B

3.6 A