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CSC 126.

19. J

22. i = 4;

24. for (int i = 1; i <= 100; i++) {

cout <<i \* 3<<endl;

}

27. Output are

0-

24

25-

49

50-

74

75-

99

100-

124

125-

149

150-

174

175-

200

28. Output are

3

3

5

-2

7

-2

-6

-8

10

31. Pretest loop runs more than one time while protest test only run one time.

32. a. The run will run approximately 3 times. x is 55 and y is 50.

b. The loop runs ten times. x is 10 and y is 80.

c. The loop will be executed three times until the condition is true x is 7 and y is 20.

d. The loop will be executed three times. X is 35 while y is 35.

e. The loop will run approximately three times. X is 40 while y is 30

f. The loop runs five times and x is 5 while y is 30.

34. int value = 0;

for (int i = 0; i <=20; i++) {

if (i % 2 == 0 && i <= 10) {

value = value + i \* i;

}

else if (i % 2 == 0 && i > 10) {

value = value + 1;

} else {

value = value - 1;

}

}

39. while loop

int number = 1;

while (number <=10) {

cout << setw(3) << number;

}

Do while loop

int number = 1;

do {

cout << setw(3) << number;

}

while (number <=10);

41.

1. a is an infinite loop
2. b is also an infinite loop
3. 5
4. 15

42. a.

1

1

1

1

1

2

2

2

2

2

3

3

3

3

3

4

4

4

4

4

5

5

5

5

5

c.

1

1

1

1

1

2

2

2

2

2

3

3

3

3

3

4

4

4

4

4

5

5

5

5

5