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CSC 120

6-17-17

Lab 05

1. OMIT

2. X=1 Y=0

Algorithm = if X+Y == Y, then X = 1

3. J: 1st=H, 2nd=L,3rd=J

Z= Error, no value Z in list (1st=H, 2nd=L,3rd=N, 4th=O, error)

4. D

5. a. binary

b.sequential

c. sequential

d. binary

6. D

7. A

8. D

9. A

10.

gcd (5933,7411) =gcd(5933,7411 mod 5933)

=gcd(5933,1478)

=gcd(1478, 5933 mod 1478)

=gcd(1478, 21)

=gcd(21, 1478 mod 21)

=gcd(21, 8)

=gcd(8, 21 mod 8)

=gcd(8,5)

=gcd(5, 8 mod 5)

=gcd(5, 3)

=gcd(3,5 mod 3)

=gcd(3, 2)

=gcd(2, 3 mod 2)

=gcd(2,1)

=gcd(1,2 mod 1)

gcd(5933,7411)=1

11. B

12. A

13. A

14. D (I am assuming the “gap” is a typo. The problem asks for the students to EXCEED 3.5 for getting a 100 reward. So, the 50 award would need to be <=3.5, and this is the only program that has <=3.5.)

15. D

16. B

17. C

18. C

19. B

20. B