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CIS 251

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Chapter 4 Exercise Questions

2. y = 1 and count = 100

4. 1 3 5 7 9

6. Sum = 112

8. Sum = 157

10. count = 0;

while (count < 10)

{

cin >> num;

sum = sum + num;

count++;

}

12. 8 23 21 0 23 0 12 1 20

14. 0 10 30 60

16. 0 1 4 11 25

18. sum = 0;

for (int i = 3, i < 100, i + 3)

sum = sum + i

20. #include<iostream>

#include<iomanip>

using namespace std;

const int N = 2137;

int main()

{

int a, b, c, d, i;

a = 3;

b = 5;

for (i = 3; i <= N; i++)

{

cout << setw(5) << i;

i = i + 1;

}

return 0;

}

22. a. 5 times

55 50

b. 4 times

80 80

c. 0 times

5 20

d. 3 times

35 35

e. 3 times

40 30

f. 0 times

5 30

24. a. cin >> number;

while (number != -1)

{

total = total + number;

cin >> number;

}

cout << endl;

cout << total << endl;

b. cin >> number;

while (number != -1)

{

total = total + number;

cin >> number;

}

cout << endl;

cout << total << endl;

26. while (i <= 5)

{

cout << setw(4) << j;

j = j + 5;

i++;

}

do

{

cout << setw(4) << j;

j = j + 5;

i++;

}

while (i <= 5);

28. a. 12345 //will print with 1 starting in 3rd column

246810

3691215

48121620

510152025

b. 11111 //will print starting from 3rd column

22222

33333

44444

55555

c. 2345 //will print starting from 5th column

345

45

5

d. 1

12

123

1234

12345

e. 12345678910 //will print starting from the 3rd column

11121314151617181920

21222324252627282930

31323334353637383940

41424344454647484950

51525354555657585960

61626364656667686970

71727374757677787980

81828384858687888990

919293949596979899100

f. 1

121

12321

1234321

123454321

12345654321

1234567654321

123456787654321

12345678987654321