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Assignment 5

1.

a)

Body = 10 times.

1 11 21 31 41 51 61 71 81 91

b)

Body = 0 times.

No output

c)

Body = Infinite loop

250

250

250

...

d)

Body = 3 times

2 4 16

e)

Body = 5 times.

Bbbbbabbbbb

f)

Body = 7 times

10

5

2

1

0

0

0

f.

Body

2.

a)

int x = 1;

while (x <= max) {

System.out.println(x)l

x++;

b)

int total = 25;

int number = 1;

while (number <= (total / 2)) {

total = total – number;

System.out.println(total + “ “ + number);

Number++;

}

c)

int i = 1;

while (i <= 2) {

int j = 1;

while (j <= 3) {

int k = 1;

while (k <= 4) {

System.out.print("\*");

k++;

}

System.out.print("!");

j++;

}

System.out.println();

i++;

}

d)

int number = 4;

int count = 1;

while (count <= number) {

System.out.println(number);

number = number / 2;

count++;

}

3.

mystery(1); 19 0

mystery(6); 4 2

mystery(19); 16 4

mystery(39); 32 5

mystery(74); 64 6

12.

d) 10

14.

first = 19

Second = 8

20.

mystery (3, 3) = 3

mystery (5, 3) = 1

mystery (2, 6) = 2

mystery (12, 18) = 6

mystery (30, 75) = 15