public static int mystery(int x, int y) {

int z = 0;

for (int i = y; i > 0; i--){

z = z + x;

x = x + y;

y--;

}

return z;

}

1) mystery(6, 0);

2) mystery(8, 1);

3) mystery(3, 3);

4) mystery(4, 2);

----------------------------------------------------------------------

public static void mystery(int x, int y) {

int z = 1;

for (int i = x; i > 0; i--){

System.out.print(y + ", ");

y = y - z;

z = z + y;

}

System.out.println(y);

}

1) mystery(2, 3);

2) mystery(3, 5);

3) mystery(4, 7);

4) mystery(5, 8);

----------------------------------------------------------------------

public static void mystery(int y) {

int x = 0;

int z = 0;

for (int i = y; i > 0; i = i / 10){

x++;

z = z + y % 10;

y = y / 10;

}

System.out.println(x + " " + z);

}

1) mystery(8);

2) mystery(32);

3) mystery(184);

4) mystery(8239);

----------------------------------------------------------------------

public static void mystery(int n) {

int x = 1;

int y = 1;

for (int i = n; i > y;){ //i never changes

x++;

y = 10 \* y + x;

}

System.out.println(x + " " + y);

}

1) mystery(0);

2) mystery(7);

3) mystery(32);

4) mystery(256);

----------------------------------------------------------------------

public static void mystery(int x, int y) {

int z = 0;

for (int i = x; i % y != 0; i = i / y){

x = x / y;

z++;

System.out.print(x + ", ");

}

System.out.println(z);

}

1) mystery(25, 2);

2) mystery(10345, 10);

3) mystery(63, 2);

4) mystery(52, 5);

----------------------------------------------------------------------

public static void mystery(int n) {

int x = 1;

int y = 1;

for (int i = n; i > 2; i--){

x = x + y;

y = x - y;

}

System.out.println(x);

}

1) mystery(1);

2) mystery(3);

3) mystery(5);

4) mystery(7);

----------------------------------------------------------------------

public static void mystery(int a, int b) {

for (int i = b; i < a; i = i + 3){

b = b + 3;

a = a - b;

System.out.print(a + " ");

}

System.out.println(b);

}

1) mystery(20, 2);

2) mystery(16, -2);

3) mystery(10, 25);

4) mystery(3, -1);

----------------------------------------------------------------------

public static void mystery(int a, int b) {

for (int i = a; i > 0; i = i - b){

a = a - b;

b++;

System.out.print(a + " ");

}

System.out.println(b);

}

1) mystery(7, 8);

2) mystery(11, 7);

3) mystery(25, 10);

4) mystery(-6, 10);

----------------------------------------------------------------------

public static void mystery(int a, int b, int c){

int diff = 0;

for (int i = a; i > b; i--){

diff++;

}

for (int i = b; i > c; c++){

diff++;

}

for (int i = a; i > c; i--){

diff++;

}

System.out.println(a + ", " + b + ", " + c + " gives " + diff);

}

1) mystery(10, 5, 3);

2) mystery(6, 8, 2);

3) mystery(1, 1, 1);

4) mystery(5, 3, 1);

----------------------------------------------------------------------

public static void mystery(int a, int b){

for (int i = a; i >= 0; i--){

for (int j = b; j >= 0; j--){

System.out.print(i / j + " ");

}

}

}

1) mystery(5, 2);

2) mystery(4, 5);

3) mystery(10, -1);

4) mystery(-1, 4);

|  |
| --- |
| 1)0  2)8  3)17  4)10 |
| 1)3, 2, -1  2)5, 4, -1, -5  3)7, 6, -1, -7, -6  4)8, 7, -1, -8, -7, 1 |
| 1)1 8  2)2 5  3)3 13  4)4 22 |
| 1)1 1  2)2 12  3)3 123  4)4 1234 |
| 1)12, 1  2)1034, 103, 10, 3  3)31, 15, 7, 3, 1, 0, 6  4)10, 1 |
| 1)1  2)2  3)5  4)13 |
| 1)15 7 8  2)15 11 4 7  3)25  4)1 2 |
| 1)-1 9  2)4 -4 9  3)15 4 -8 13  4)10 |
| 1)10, 5, 5 gives 12  2)6, 8, 8 gives 6  3)1, 1, 1 gives 0  4)5, 3, 3 gives 6 |
| 1)Error: divide by 0  2)Error: divide by 0  3)(no output)  4)(no output) |