In [ ]:

```
1  1. Output: 1 2 8
2
3  when the function is called vaues are assigned as the same order
4  of decleration.so a will be 1 and b will be 2 and we do not pass
5  c but it will take default value 8
```

In [ ]:

```
1  2. output:1 2 3
2
3  In the function call the b,c arguments are passed with some values
4  so instead taking the default values they will take argument values
5  and first argument will be assigned to a
```

In [ ]:

```
1  3.output 1 (2,3)
2
3  when the function is called first argument is passed to a and
4  the other arguments are packed to tuple
5
```

In [ ]:

```
1  4.output  1 {"c":3,"b":2}
2  when the function is called first argument is passed to a and
3  the other arguments are packed as key value pairs dictonary with
4  parameter keys as dictonary keys and parametr values as dictionary
5  values
6
```

In [ ]:

```
1  5.output 1 5 6 5
2
3  first argument is given to a and the tuple (5,6) is unpacked and
4  given to b,c as per order , d has no atibute so the default value
5  5 is printed
```

In [ ]:

```
1  6 output:2 ['x'] {'a': 'y'}
2
3      a will be 2 and b=["x"] and c={'a': 'y'}
4      since these are reassigned to new values
```