# F6 requirements

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# Chapter 1

# Problem 2

## 1.1   Assumption

String and character is not acceptable as an input for the function. to limit the growth of the function we assume 'x' is not a big real number. We assume that the user will not give a number less or equal to zero as an input to the base b.

## 1.2   Requirement

### 1.2.1   F6.1

The domain of "a" is all the real number greater then '0'. If a is equal to 0, then no mater what is 'b' and 'x' the out put will be '0' and if a is less than '0' the function when -1¡x¡1 is undefined. version number 1.3

### 1.2.2   F6.2

The domain of "b" is all the real number greater than '0', if b is less or equal to '0' then f(x) is not defined. version number 1.3

### 1.2.3   F6.3

The domain of "x" is all the real number.If x is equal to '0', the output is depend on a. version number 1.3

# Bibliography

[1] https://en.wikipedia.org/wiki/Exponentialfunction

[2] https://mathbitsnotebook.com/Algebra1/FunctionGraphs/FNGTypeExponential.html