Problem

\//rit△	formal	descriptions	of the	following	cate
vvrite	Tomai	describitions	or me	IOHOWING	seis.

- a. The set containing the numbers 1, 10, and 100
- $\boldsymbol{b}.$ The set containing all integers that are greater than $5\,$
- c. The set containing all natural numbers that are less than 5
- d. The set containing the string aba
- e. The set containing the empty string
- $\ensuremath{\text{f.}}$ The set containing nothing at all

Consider the given information:

 $\{n: n \text{ contains } \{aba\}\}.$

The set contains the string which is aba.

Thus, the n which contains only the string 'aba', is as shown below:

Step-by-step solution
Step 1 of 6
Consider the given information: The set containing the number of series of 10. It means n contain 10 and 10 to the power of m, contain the series of 0, 1, and 2, is as shown below: $\{n: n=10^m \text{ for some } m \in \{0,1,2\}\}$
Step 2 of 6
b. Consider the given information: The set contains the all integer number which is greater than 5. Thus, the n which contains only those integer numbers which are greater than 5 is as shown below: $\{n: n \text{ is an integer and } n > 5\}$
Step 3 of 6
Consider the given information: The set contains the all natural number which is less than 5. Thus, the n which contains only those natural numbers which are less than 5 is as shown below: $\{n: n \text{ is a natural number and } n < 5\}$
Step 4 of 6
d.

Comment		
	Step 5 of 6	
e.		
Consider the given informa	ion:	
The set contains the empty	string. Empty is denoted by $\ensuremath{\it{\varepsilon}}.$	
Thus, the set which contain	s only the empty string, is as shown below:	
$\{arepsilon\}$		
	Step 6 of 6	
f.		
Consider the given informa	tion:	
The set contains nothing it	means set contain only null. Null is denoted by ϕ .	
e eet eemanie neumig, n		
	ot contains anything is as shown below:	
	ot contains anything is as shown below:	
Thus, the set which does n	ot contains anything is as shown below:	