

**Identify the following as null set(empty set) or singleton set.**

- 1)  $A = \{x \mid x \in \mathbb{N}, 1 < x < 2\}$
- 2)  $P = \{\text{Point of intersection of two lines}\}$
- 3)  $C = \{x : x \text{ is an even prime number greater than } 2\}$
- 4)  $Q = \{x \mid x \text{ is an even prime number}\}$
- 5)  $E = \{x : x^2 = 9, x \text{ is even}\}$
- 6)  $R = \{\text{The set of whole numbers lying between } 0 \text{ and } 2\}$
- 7)  $B = \{0\}$
- 8)  $D = \{\text{The set of largest 1 digit number}\}$
- 9)  $F = \{\text{The set of triangles having 4 sides}\}$
- 10)  $H = \{\text{The set of even numbers not divisible by } 2\}$

## Answers

- 1) null
- 2) singleton
- 3) null
- 4) singleton
- 5) null
- 6) singleton
- 7) singleton
- 8) singleton
- 9) null
- 10) null