The minimum value of $3^x+3^{1-x}$ is $x \in R$:

1)1 2)2 3)$2\sqrt{3}$ 4)$\sqrt{3}$

**SOLUTION :**

**AM $\geq$ GM**

$$\frac{3^x + 3^{1-x}}{2} \geq \sqrt{3^x \, 3^{1-x}}$$

$$3^x + 3^{1-x} \geq 2\sqrt{3}$$