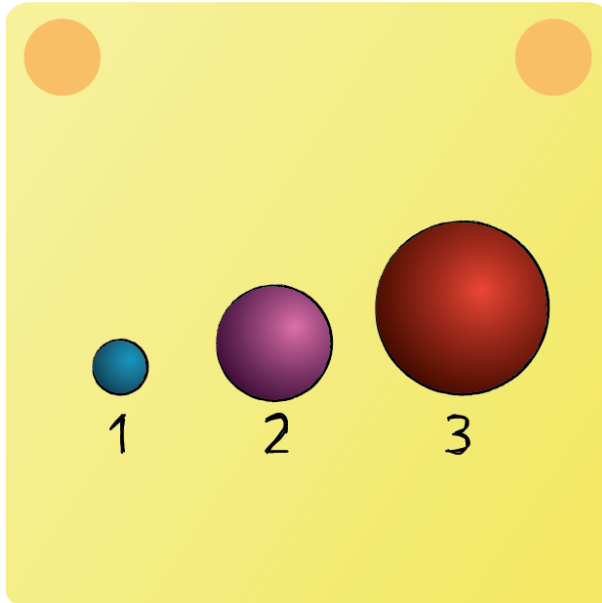


Lecture 6 - Question 3



An identical ideal air flow is passing the three cylinders as shown in the figure. For which of the three will the Reynolds number be the biggest?

$$\text{Re}_d = \frac{\rho u_\infty d}{\eta}$$



The bigger the diameter, the bigger the Reynolds number will be. For that reason cylinder 3 will have the biggest Reynolds number.