

## ☆ *Cerebrum and Cerebellum* ☆

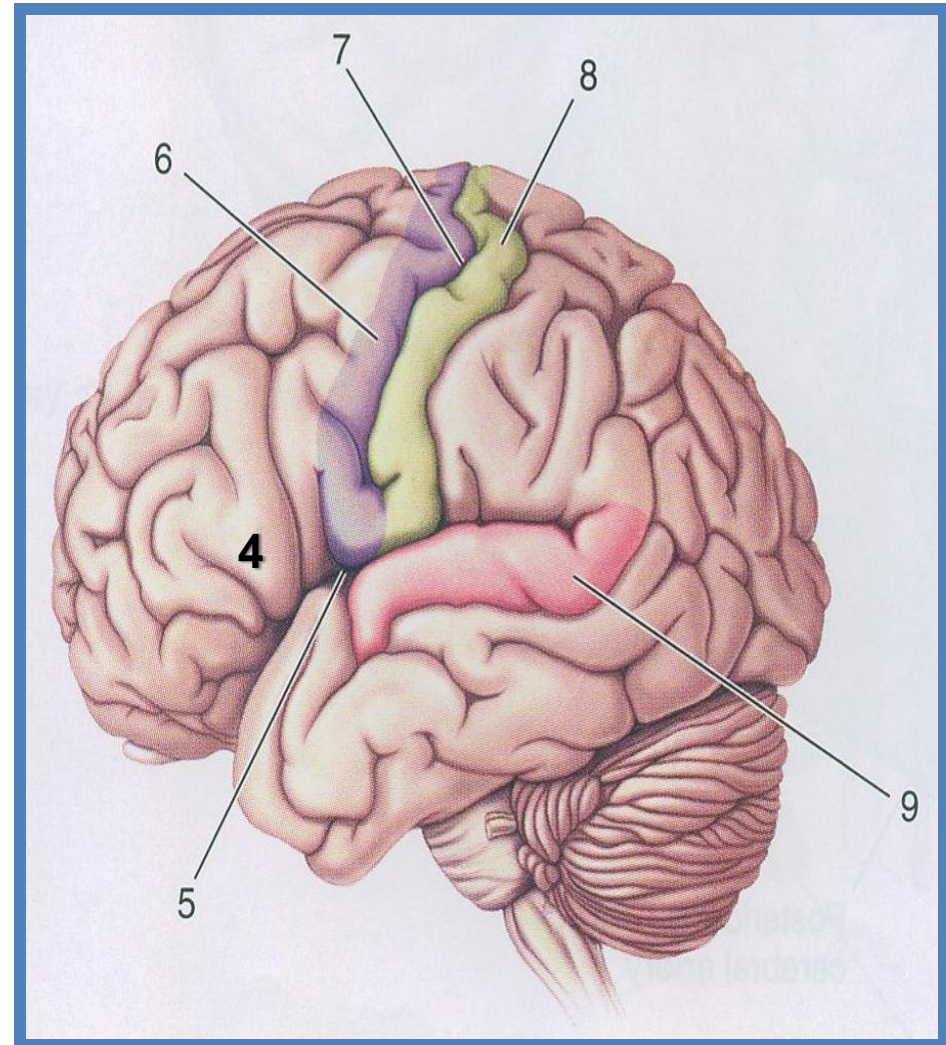
*This Lecture is done by:*

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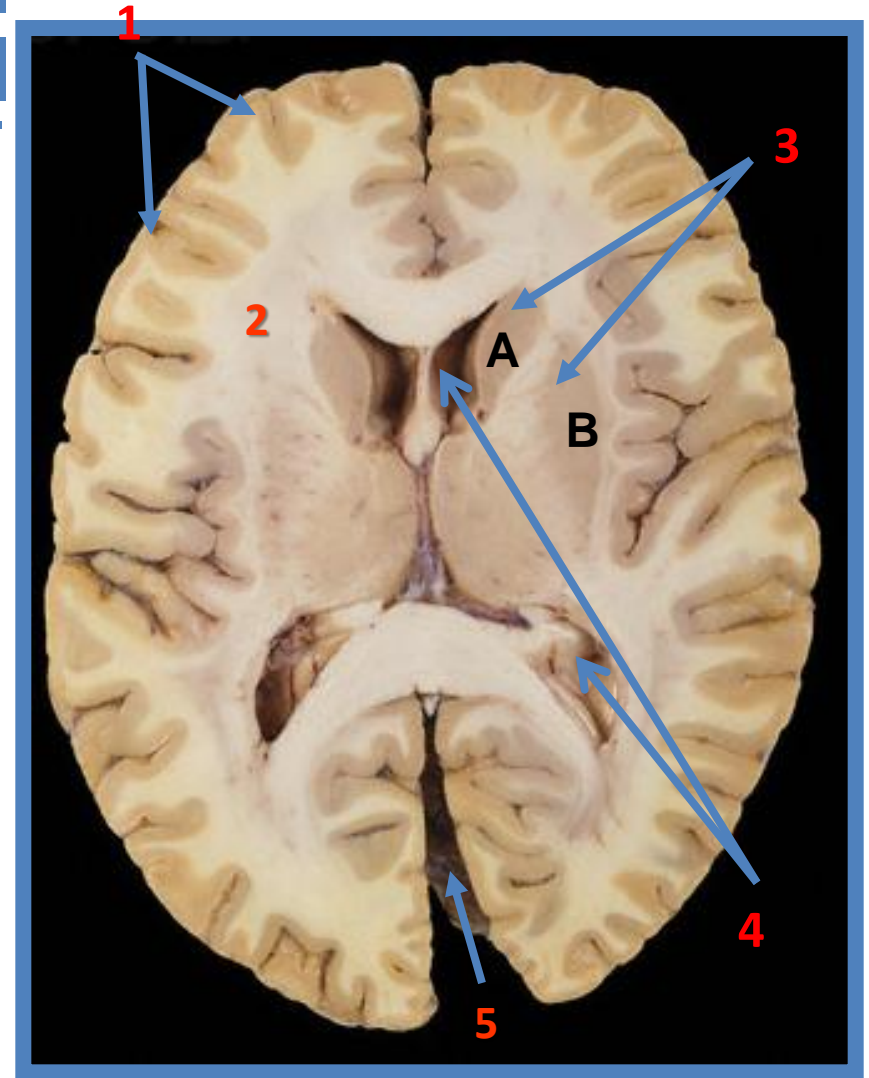
## \* Gyri and Sulci \*

- 4) Inferior frontal gyrus
- 5) Lateral Sulcus (Fissure).
- 6) Precentral Gyrus.
- 7) Central Sulcus (Fissure).
- 8) Postcentral Gyrus.
- 9) Superior Temporal Gyrus.



# \*Transverse Section of the Brain\*

- 1) Grey Matter or Cortex.
- 2) White Matter.
- 3) Basal Ganglia (Supplied by Anterior Perforating Arteries)  
A- Caudate nucleus  
B- Lentiform nucleus
- 4) Lateral Ventricle.
- 5) Median Longitudinal Fissure.





# *\*Longitudinal Section of the Brain\**

1) **Corpus Callosum,**  
formed of:

2) **Splenium.**

3) **Body.**

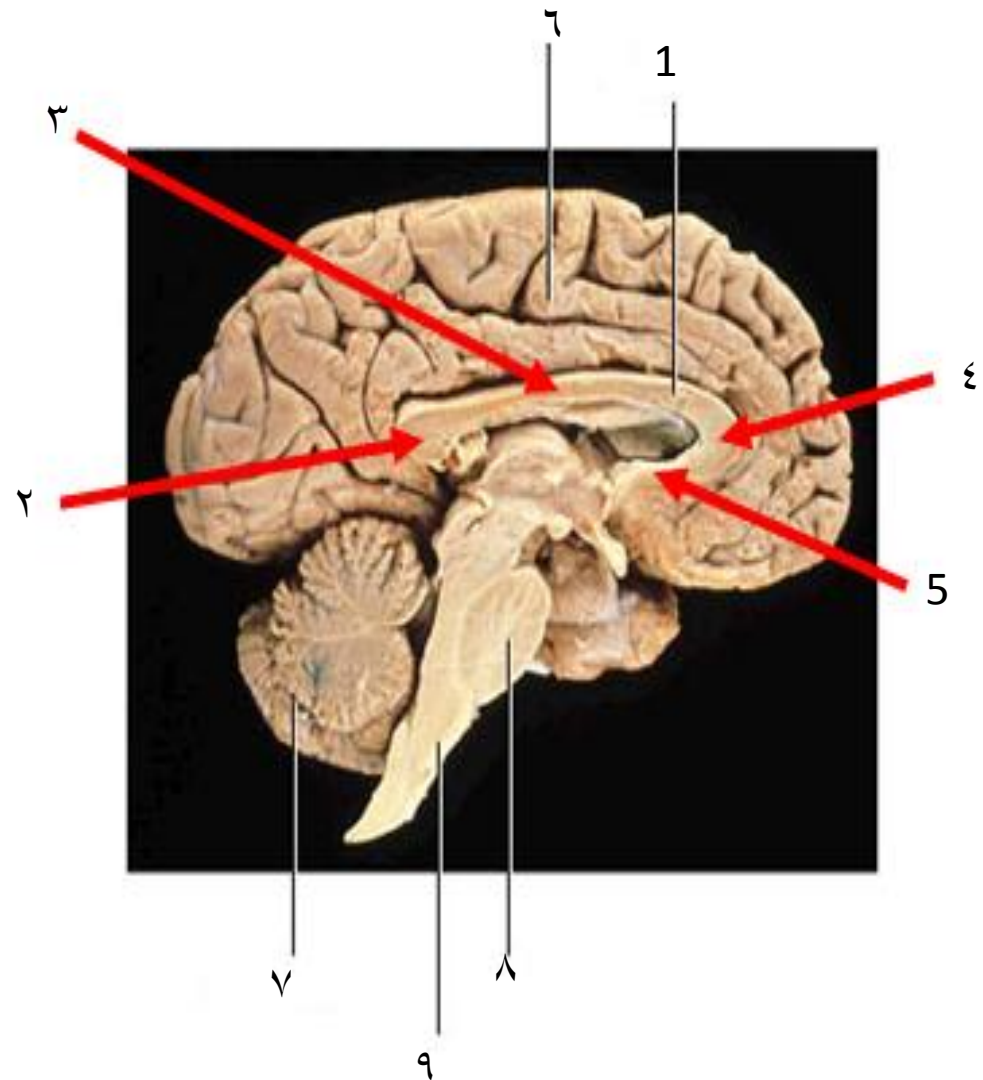
4) **Genu.**

5) **Rostrum.**

7) **Cerebellum.**

8) **Pons.**

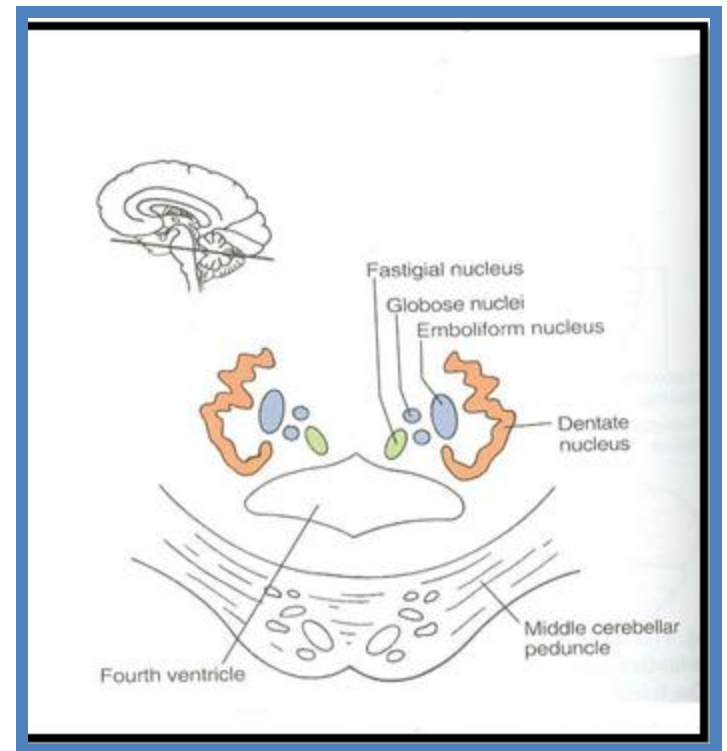
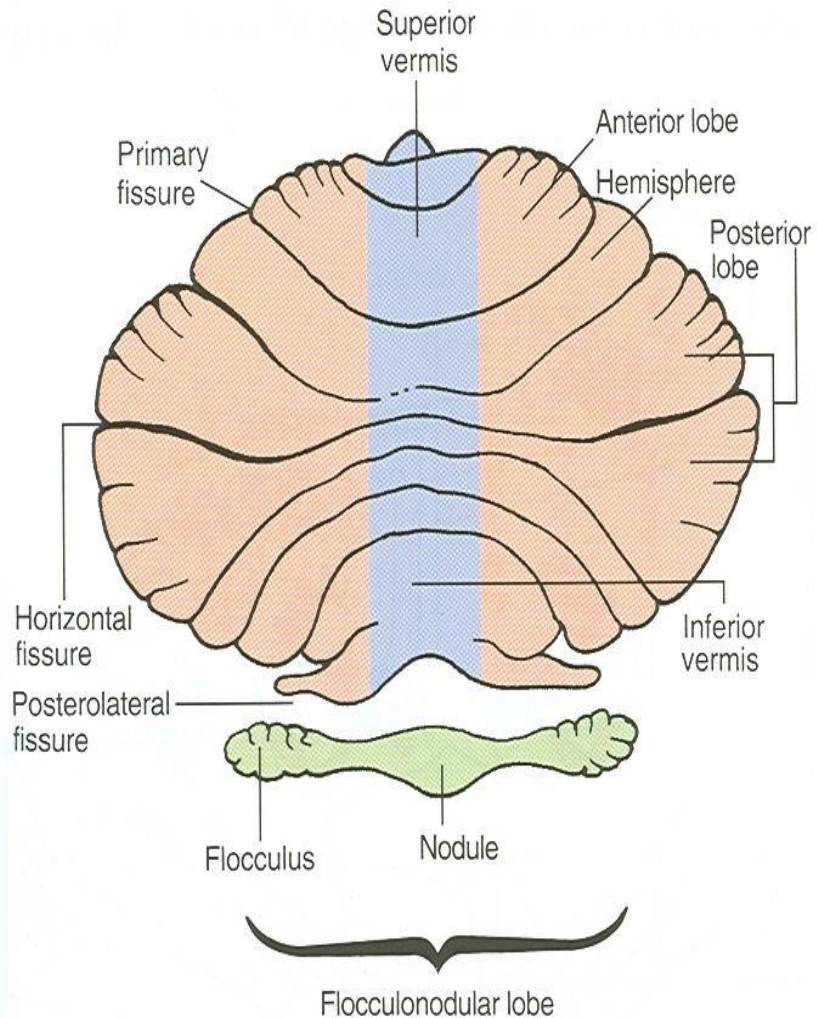
9) **Medulla.**



## \*Acclusions of Cerebral Arteries(Very important )\*

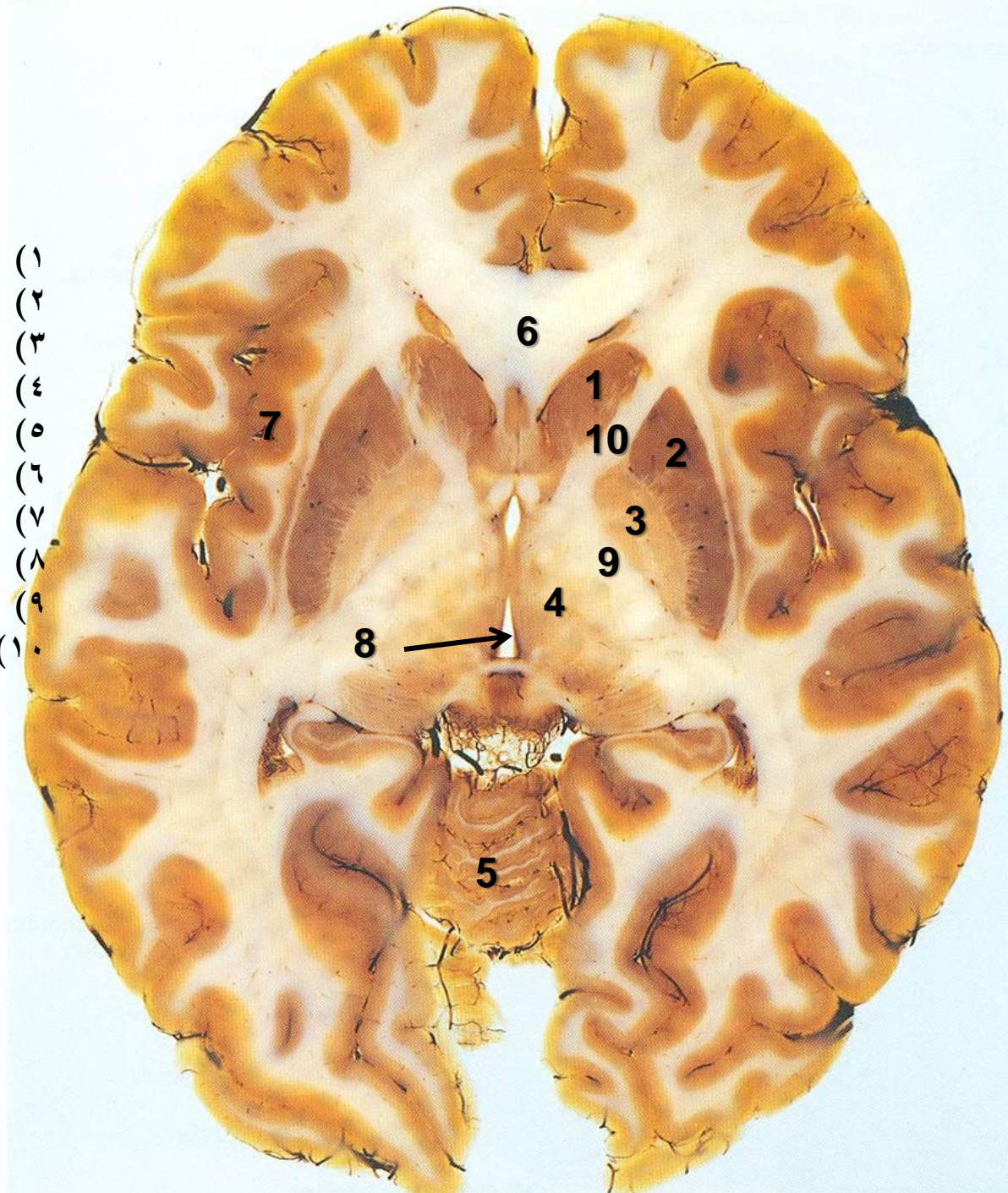
Artery	Manifestation
<i>Anterior Cerebral Artery</i>	<ul style="list-style-type: none"><li>- <b>Motor disturbance</b> in contralateral distal leg.</li><li>- <b>Difficulty in Prefrontal lobe Functions:</b> Cognitive thinking, judgment, motor initiation and self monitoring</li></ul>
<i>Middle Cerebral Artery</i>	<ul style="list-style-type: none"><li>- <b>Contralateral weakness and loss of sensory, of:</b> face, arm, and hand more than legs.</li><li>- <b>Visual field cut</b> (damage to optic radiation)</li><li>- <b>Aphasia:</b> language disturbances</li></ul>
<i>Posterior Cerebral Artery</i>	<ul style="list-style-type: none"><li>- <b>Visual Disturbances</b></li><li>- <b>Memory Impairment</b></li></ul>

# Cerebellum





- Head of Caudate (1)
- Putamen (2)
- Globus pallidus (3)
- Thalamus (4)
- Cerebellum (5)
- Corpus callosum (6)
- Insula (7)
- Third ventricle (8)
- Posterior limb of IC (9)
- Anterior limb of IC (10)



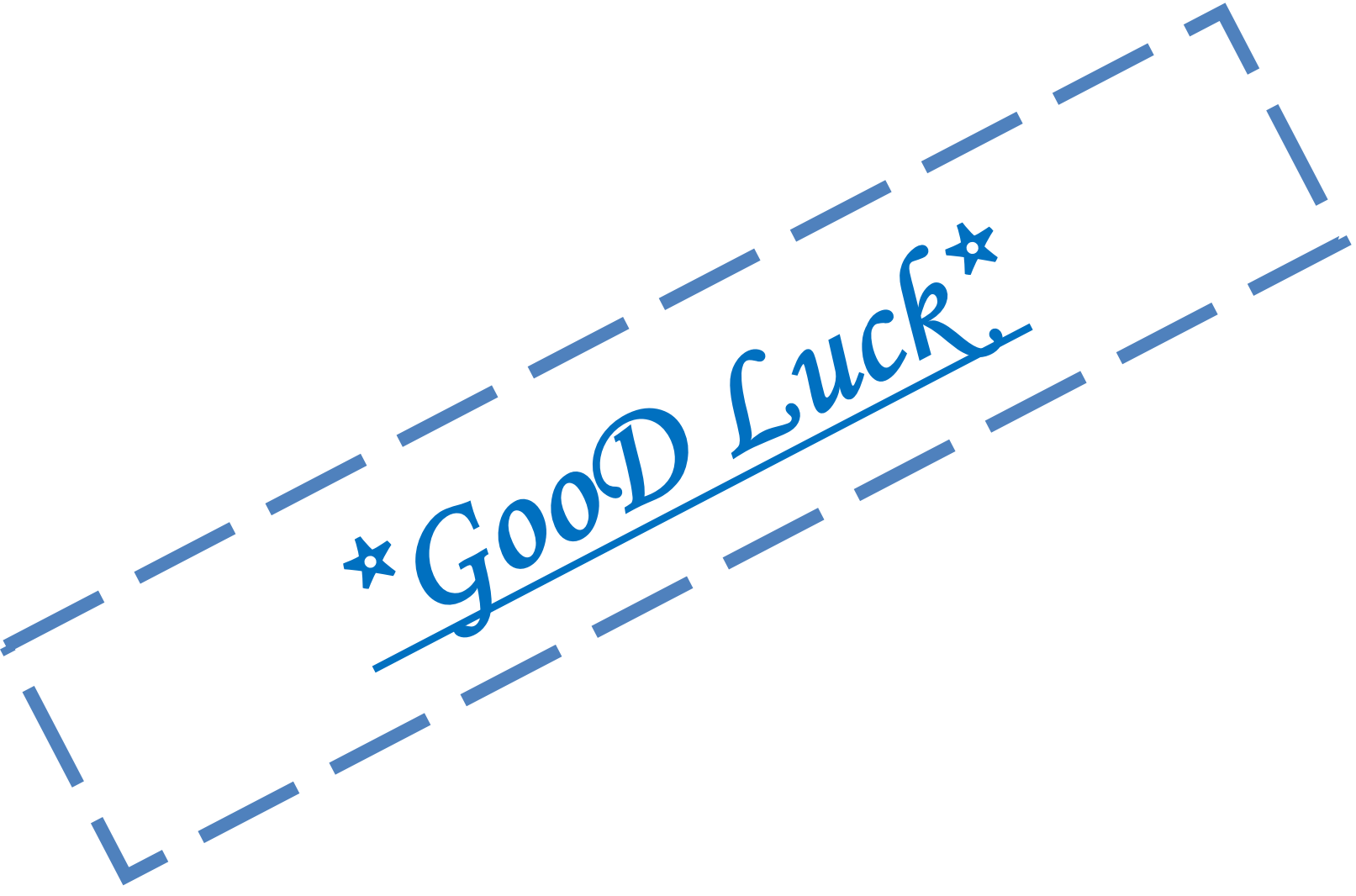
## *\*Test Your Knowledge\**

Which sulcus separates frontal lobe from temporal lobe?

- 1) Central sulcus
- 2) Median Longitudinal Fissure.
- 3) Lateral Sulcus
- 4) Calcarine Sulcus

**Answer: 3**





*\*Good Luck\**