

1. **What is the purpose of the experiment?**  
 2. **What are the objectives of the experiment?**  
 3. **What are the materials and apparatus used?**  
 4. **What is the procedure of the experiment?**  
 5. **What are the observations and results?**  
 6. **What is the conclusion of the experiment?**

Sl. No.	Observation	Result
1	When the current is passed through the coil, the coil starts to rotate.	Direction of rotation is clockwise.
2	When the current is reversed, the direction of rotation also reverses.	Direction of rotation is anticlockwise.
3	When the current is increased, the speed of rotation also increases.	Speed of rotation increases.
4	When the current is decreased, the speed of rotation also decreases.	Speed of rotation decreases.

**Conclusion:** The direction of rotation of the coil is determined by the direction of the current and the direction of the magnetic field. The speed of rotation is directly proportional to the current and inversely proportional to the radius of the coil.