SOLIDWORKS – MECHANICAL INTERVIEW QUESTIONS

Master these SOLIDWORKS interview questions to confidently showcase mechanical design skills, impress interviewers, and advance your career in CAD and product engineering roles.

- [ ] What is the difference between a Part, Assembly, and Drawing in SOLIDWORKS?

- [ ] Why is the design intent important while creating a model?

- [ ] What is the difference between Extrude and Revolve features?

- [ ] When should you use Cut-Extrude instead of Cut-Revolve?

- [ ] What are relations in sketches and why are they important?

- [ ] What does a fully defined sketch mean?

- [ ] Why should sketches be fully defined before creating features?

- [ ] What is the difference between Boss-Extrude and Thin Feature?

- [ ] What is the use of planes in SOLIDWORKS?

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- [ ] **What is the difference between Fillet and Chamfer?**

- [ ] **What are configurations and why are they used?**

- [ ] **How do patterns help in reducing modeling time?**

- [ ] **What is the difference between mirror feature and mirror body?**

- [ ] **Why is feature order important in the Feature Tree?**

- [ ] **What is the purpose of mates in an assembly?**

- [ ] **What is the difference between standard mate and advanced mate?**

- [ ] **Why do assemblies fail to rebuild sometimes?**

- [ ] **What is interference detection and when is it used?**

- [ ] **What is the difference between top-down and bottom-up assembly modeling?**

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- [ ] **Why should unnecessary fillets be avoided during early modeling stages?**

- [ ] **What is the difference between parametric and direct modeling?**

- [ ] **How do equations help in design modification?**

- [ ] **Why is it important to set correct units before modeling?**

- [ ] **What is the use of design library?**

- [ ] **What causes rebuild errors in SOLIDWORKS?**

- [ ] **Why is symmetry important in part modeling?**

- [ ] **What is the purpose of draft angle in molded parts?**

- [ ] **Why should sketches be simple and not over-constrained?**

- [ ] **How do you prepare a model for manufacturing?**

- [ ] **What skills make a good SOLIDWORKS design engineer?**