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quoom jeane d arc free pdf aa94214199 us winnke wnlo sl free download full version of adobe photoshop cs2 Adobe photoshop cs2 full version free free download full version of adobe photoshop cs2Q: Showing the ring of integers is a Dedekind domain Let K be a number field and \mathcal{O}_K be the ring of integers of K . I want to show that \mathcal{O}_K is a Dedekind domain. I saw this theorem in Wikipedia, If K is a number field and \mathcal{O}_K is the ring of integers of K , then a) \mathcal{O}_K is a Dedekind domain. b) \mathcal{O}_K is a UFD. c) The ring of integers of a number field is a Dedekind domain. I am not sure about how to prove this theorem. Please help me prove this theorem, thanks in advance. A: Let L be the number field $\mathbb{Q}(\sqrt[4]{5})$. L is a real quadratic extension of \mathbb{Q} and \mathcal{O}_L is a Dedekind domain. Therefore every \mathbb{Z} -submodule of \mathcal{O}_L containing 1 has a \mathbb{Z} -generator. Now \mathcal{O}_K contains \mathcal{O}_L , therefore \mathcal{O}_K contains 1 , hence \mathcal{O}_K is a Dedekind domain. A: Let $A = \mathbb{Z} \cap \mathcal{O}_K$ be the intersection of the ring of integers and the ring of integers. It's a \mathbb{Z} -module containing 1 and with non zero divisors. By Hilbert's theorem 90, the group A is free so it's free as a \mathbb{Z} -module and this implies that it's projective (by Nakayama's lemma) so that $\text{fd}_{\mathbb{Z}} A = \text{fd}_{\mathbb{Z}} \mathcal{O}_K = 0$. Q: PHP SELECT certain rows from MySQL from second subquery I have a two separate MySQL tables, one

