In this talk, we introduce the class of semi-graded algebras and discuss the computation of its Yoneda algebra and Poincaré series. The Koszulity behavior of these algebras is also analyzed by the computation of the associated lattice. Finitely semi-graded algebras include properly the class of finitely graded algebras generated in degree one as well as many important examples of skew $PBW$ extensions. (Received August 23, 2018)