An integer $a$ is a primitive root modulo a prime $p$ if the residue $a$ generates the cyclic multiplicative group modulo $p$. Artin's conjecture on primitive roots states that the number of primes $p$ which have $a$ as a primitive root have positive density. The notion of primitive root can be generalized using Carmichael's lambda function. Let $\lambda(n)$ be the order of the largest cyclic subgroup of integers modulo $n$. For $a$ prime to $n, a$ is a primitive root if its order modulo $n$ is $\lambda(n)$. Let $N_{a}(x)$ be the number of integers $n \leq x$ such that $(a, n)=1$ and $a$ is a primitive root for $n$. There are results on the asymptotic behavior of $N_{a}(x)$. In the function field setting Artin's conjecture is a theorem due to Bilharz. This work in progress discusses the analogue of the generalized problem in function fields. (Received February 27, 2007)

