Wireless networks are in essence the same as regular wired networks with the diference being, ofcourse, that there are no cables. That added benefit has some disadvantages as well, which will be discussed below.

As for the advantages the probably only one is that connections between clients using the network can be made without any physcial connection therefore making it easier to establish in big office building and such. Also people visiting certain public places can easily and freely access the internet.

Although having wireless connection is desirable because you can move around, with lets say your lap top, there are quite a few disadvantages regarding said method of network communication. Since the connection is wireless, it is bound to be slower than regular wired network, sometimes even few magnitudes slower than the wired ones. On the other hand by not requiring clients to be physically connected to the network surface area for intruders is greatly increased. Every wireless network must be at least password protected but with recent developments in hacking technologies not even that can totally secure your access point.

In general, wireless networks are great solution for your home LANs and public spaces where you expect to have a lot of people using it. It can make setting up a huge network very efficient. But every time you have to take into the account the reduced security and make sure that you’ve dealt with that problem in the best way possible.