L4

$$\sum$$
 = $\{a,b,c\}$

 Σ^* denotes all strings that can be formed using Σ

Hence a language is any set of strings over an alphabet Σ that is any subset of Σ^* . Hence Σ^* , Σ , and ϕ also are languages

Most of the languages are infinite Ex. List all binary strings formed over $\{0,1\}$ It is not possible $L=\{w:w\in\Sigma^*\}$ The general form is $L=\{w:w\in\Sigma^*and\ w\ has\ property\ P\}$