Experiment No. 9

Word Generation

Aim:

Virtual Lab on Word Generation.

Theory:

Given the root and suffix information, a word can be generated. For example, Language:

Input: analysis

output: word

Hindi

rt= लड़का (ladakaa), cat=n, gen=m, num=sg, case=obl

लड़के (ladake)

Hindi

rt= लड़का (ladakaa), cat=n, gen=m, num=pl, case=dir

लड़के (ladake)

English

rt=boy, cat=n, num=pl

boys

English

rt=play, cat=v, num=sg, per=3, tense=pr

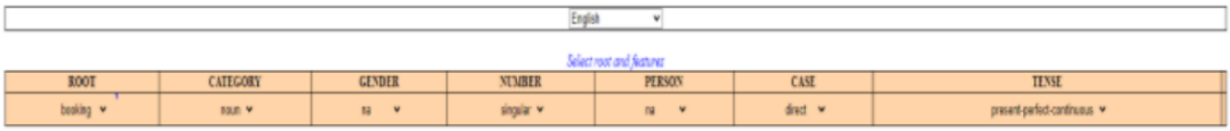
plays

Morphological analysis and generation: Inverse processes.

Analysis may involve non - determinism, since more than one analysis is possible.

Generation is a deterministic process. In case a language allows spelling variation, then till that extent, generation would also involve non - determinism.

Input:



Output:

Right answer!!!

Conclusion:

Thus, in the above experiment we have studied regarding Word Generation, and how using root and suffix information, a word can be generated.

For Faculty Use

Correction Parameters	**Formative Assessment [40%]**	**Timely completion of Practical [40%]**	**Attendance / Learning Attitude [20%]**	
Marks Obtained				