DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING Choice Based Credit Grading Scheme [CBCGS] Under TCET Autonomy University of Mumbai



Experiment No. 9

Word Generation

Aim:

Singh Charitable Trust's 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= লাড়কা (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)

ISO 9001: 2015 Certified

NBA and NAAC Accredited

English

rt=boy, cat=n, num=pl

boys

English

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

plays



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

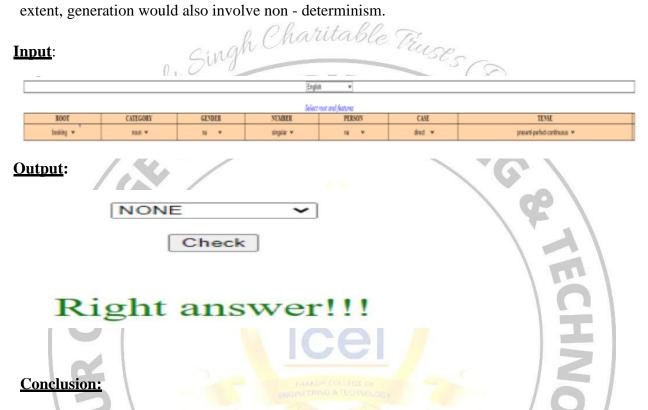
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Morphological analysis and generation: Inverse processes.

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.



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

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Correction		NBA and NAAC Timely	Accredited Attendance /	(2)
Parameters	Assessment	completion of	Learning	y /
	[40%]	Practical [Attitude	
		40%]	[20%]	
Marks				
Obtained				