

44 Lecture - CS402

Important Mcqs

1. Which of the following is NOT a parsing technique?

- a) Top-down parsing
- b) Bottom-up parsing
- c) Recursive descent parsing
- d) Infix parsing

Answer: d) Infix parsing

Which parsing technique starts at the root of the parse tree and works downwards towards the leaves?

- a) Top-down parsing
- b) Bottom-up parsing
- c) Recursive descent parsing
- d) LR parsing

Answer: a) Top-down parsing

Which parsing technique starts at the leaves of the parse tree and works upwards towards the root?

- a) Top-down parsing
- b) Bottom-up parsing
- c) Recursive descent parsing
- d) SLR parsing

Answer: b) Bottom-up parsing

Which parsing technique uses a stack to keep track of the symbols in the input and the rules of the grammar?

- a) Top-down parsing
- b) Bottom-up parsing
- c) Recursive descent parsing
- d) LALR parsing

Answer: b) Bottom-up parsing

Which parsing technique is most commonly used in compilers and language processing tools?

- a) Top-down parsing
- b) Bottom-up parsing
- c) Recursive descent parsing
- d) LR parsing

Answer: d) LR parsing

Which parsing technique can handle left-recursive grammars?

- a) Top-down parsing
- b) Bottom-up parsing
- c) Recursive descent parsing

d) Earley parsing

Answer: d) Earley parsing

Which parsing technique is a type of top-down parsing that uses a predictive parsing table?

a) LL parsing

b) SLR parsing

c) LALR parsing

d) LR parsing

Answer: a) LL parsing

Which parsing technique is a type of bottom-up parsing that uses a canonical LR(1) parser?

a) LL parsing

b) SLR parsing

c) LALR parsing

d) CLR parsing

Answer: d) CLR parsing

Which parsing technique is a type of top-down parsing that uses recursive function calls to build the parse tree?

a) LL parsing

b) SLR parsing

c) Recursive descent parsing

d) LR parsing

Answer: c) Recursive descent parsing

Which parsing technique is capable of handling ambiguous grammars?

a) LL parsing

b) SLR parsing

c) LALR parsing

d) GLR parsing

Answer: d) GLR parsing