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Course
outline

About
NPTEL ()

How does an
NPTEL
online
course
work? ()

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Week 7 : Assignment 7

The due date for submitting this assignment has passed.

Due on 2025-03-12, 23:59 IST.

Assignment submitted on 2025-03-04, 19:57 IST

1) Full form of YACC is

1 point

- a) Yes Another Compiler Constructor
- b) Yet Another Compiler Constructor
- c) Yet Another Compiler Compiler
- d) Neither of the other options

☐ a)

☐ b)

☒ c)

☐ d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

c)

2) File produced by YACC and used by Lex is SLR

1 point

- a) y.tab.c
- b) y.tab.h
- c) y.parse.c
- d) y.parse.h

☐ a)

Week 6 ()**Week 7 ()**

☐ Lecture 32 :
Parser
(Contd.) (unit?
unit=73&lesso
n=74)

☐ Lecture 33 :
Parser
(Contd.) (unit?
unit=73&lesso
n=75)

☐ Lecture 34 :
Parser
(Contd.) (unit?
unit=73&lesso
n=76)

☐ Lecture 35 :
Parser
(Contd.) (unit?
unit=73&lesso
n=77)

☐ Lecture 36 :
Parser
(Contd.) (unit?
unit=73&lesso
n=78)

☐ Lecture
Materials
(unit?
unit=73&lesso
n=79)

☐ Feedback
Form (unit?
unit=73&lesso
n=80)

☐ Week 07 :
Assignment
Solution (unit?
unit=73&lesso
n=171)

☒ **Quiz: Week 7
: Assignment
7
(assessment?
name=188)**

Week 8 ()

- ☒ b)
☐ c)
☐ d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

b)

3) **Number of sections in YACC specification file is**

1 point

- a) 1
b) 2
c) 3
d) 4

- ☐ a)
☐ b)
☒ c)
☐ d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

c)

4) **In YACC rules section \$\$ refers to**

1 point

- a) First symbol on right hand side
b) Last symbol on right hand side
c) Symbol on the left hand side
d) Any of them

- ☐ a)
☐ b)
☒ c)
☐ d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

c)

5) **Annotated parse tree means**

1 point

- a) Parse tree with attributes
b) Code generated
c) Correct parse tree
d) None of the given options

Week 9 ()**Week 10 ()****Week 11 ()****Week 12 ()****DOWNLOAD
VIDEOS ()****Text
Transcripts
()****Books ()**

- ☒ a)
- ☐ b)
- ☐ c)
- ☐ d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

a)

6) For a rule " $A \rightarrow B b C$ " the symbol C will be referred to by **1 point**

- a) \$1
- b) \$2
- c) \$3
- d) \$4

- ☐ a)
- ☐ b)
- ☒ c)
- ☐ d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

c)

7) Syntax directed translation helps in **1 point**

- a) Creating parse tree
- b) Check syntactical correctness of input
- c) Check if the input has foreign symbols
- d) None of the other options

- ☐ a)
- ☐ b)
- ☐ c)
- ☒ d)

No, the answer is incorrect.

Score: 0

Accepted Answers:

a)

8) Files generated by YACC are **1 point**

- a) y.tab.c, y.token.h
- b) y.parse.c, y.tab.h
- c) y.tab.c, y.tab.h
- d) None of the other options

- ☐ a)
- ☐ b)
- ☒ c)
- ☐ d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

c)

9) Token attributes are returned by

1 point

- a) yytext
- b) yylen
- c) yyval
- d) yylval

- ☐ a)
- ☐ b)
- ☐ c)
- ☒ d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

d)

10) YYSTYPE defines the type for

1 point

- a) Stack
- b) Token
- c) Input
- d) Queue

- ☒ a)
- ☐ b)
- ☐ c)
- ☐ d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

a)

11) Which of the following statements about YACC is true? **1 point**

- a) YACC generates a lexical analyzer
- b) YACC is used for syntax analysis
- c) YACC does not support semantic actions
- d) YACC does not require grammar rules

- ☐ a)
- ☒ b)
- ☐ c)
- ☐ d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

b)

12) Which of the following correctly describes the role of `yyparse()` in YACC? **1 point**

- a) It performs lexical analysis
- b) It calls the scanner (Lex) and parses tokens
- c) It generates the final executable code
- d) It stores token attributes

- ☐ a)
- ☒ b)
- ☐ c)
- ☐ d)

Yes, the answer is correct.

Score: 1

Accepted Answers:

b)