Progress

NPTEL » Foundations to Computer Systems Design

Announcements

About the Course

Ask a Question

Mentor

1 point

1 point

1 point

Unit 14 - Week 12

Course outline

course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

week 11

Week 12

 Jack Compiler: Code Generation - 5

 Jack Compiler: Code Generation - 6

Jack Compiler: Code

System - Compiler

Concluding Remarks

Week 12 Feedback

Text Transcripts

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Ouiz: Assignment 12

Understand the Operating

O Project - 12: One sample journey from Jack to Hack

Generation - 7

Interactions

How does an NPTEL online

Assigning	ent 12	
	ing this assignment has passed. Due on 202 ave not submitted this assignment.	20-04-22, 23:5
What is the <i>minimum</i> n	number of labels needed in compiling an IfStatement into VM commands?	
,		
No the enemorie incorrec	···	
No, the answer is incorred Score: 0	ot.	
Accepted Answers: (Type: Numeric) 2		
Which of the following	token(s) cannot be parsed inside the compileTerm() routine?	
identifier		
integer constant		
string constant		
osemicolon(;)		
No, the answer is incorred	ct.	
Score: 0 Accepted Answers:		
semicolon(;)		
Given the following JA	CK code snippet, according to the order in which JACK compiler handles expressions, what will be the out	put?
	<pre>let a = 2 + 4 * 3; do Output.printInt(a);</pre>	
	do odopao.piinotao,	
No, the answer is incorred Score: 0	ct.	
Accepted Answers:		
(Type: Numeric) 18		
4) Which of the following		
4) William of the following	classes is not a part of the JACK OS standard library?	
	classes is not a part of the JACK OS standard library?	
○ Keyboard	classes is not a part of the JACK OS standard library?	
KeyboardMouse	classes is not a part of the JACK OS standard library?	
KeyboardMouseMath	classes is not a part of the JACK OS standard library?	
KeyboardMouseMathMemory		
KeyboardMouseMathMemoryNo, the answer is incorrected score: 0		
KeyboardMouseMathMemoryNo, the answer is incorrect		
Mouse Math Memory No, the answer is incorrect Score: 0 Accepted Answers: Mouse	ct.	
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return value of compileExpressionList()

type of subroutine - function or method

8) Which of the following statement(s) is FALSE about static linking?

Large code size

Memory leaks happen only because of static linking

The entire VM code of the OS has to be present during compilation

If we add a new class to the OS, already compiled programs need not be recompiled. No, the answer is incorrect.

Score: 0

Accepted Answers:

Memory leaks happen only because of static linking If we add a new class to the OS, already compiled programs need not be recompiled.

9) In which of the following ways is dynamic linking better than static linking?

Memory footprint

Intervention from the OS

Backward Compatibility

No, the answer is incorrect. Score: 0

Execution time

Accepted Answers: Memory footprint

10) When a new object is allocated, which of the following ways is used to find the size of memory to be allocated?

Local symbol table of the current subroutine

Class symbol table of class in which current subroutine is present

Class symbol table of class whose object is being created Local symbol table of constructor of the class whose object is being created

No, the answer is incorrect. Score: 0 Accepted Answers:

Class symbol table of class whose object is being created