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Academic Year 2021-2022.

odd Semester.

1. II MCA - III Semester - Compiler Design.
2. III BCA A - V Semester - Operating System.
3. III BCA B - V Semester - Operating System.

D2
14/08/21
IHR

LR Parser

The most efficient method of bottom up parsing.

L stands for left to right scanning

R stands for right most derivation in reverse.

→ 5 sources
14/08/21

- * Properties of LR Parser.
- * Structure of LR Parser.
- * Model of an LR Parser.
- * LR Parsing Algorithm.
- * Actions of LR Parser.

D4
17/08/21
IHR

Types of LR Parser

- * SLR
- * CLR
- * LALR

~~SLR~~ - Simple LR Parser.

- * Introduce Augmented Grammar.
- * Find the Canonical Collection of LR(0) items.
- * Construct a parsing table.

Flow Graph

Flow Graph is directed graph. It contains the flow of control information for the set of basic blocks.

02/11/21
10hr

* Examples of flow Graph.

* DAG - Representation of Basic Blocks.

* Application of DAG.

* DAG construction.

Issues in the Design of Code Generator

* Input to the Code Generator.

* Target Programs.

* Memory Management

* Instruction Selection

* Register Allocation

* Evaluation order

03/12/21
14hr

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Approaches to Code Generator

LESSON PLAN NOTE BOOK

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27 JUNE 2021 to NOVEMBER 2021

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- Subject 1: Distributed Technologies - II MCA
Subject 2: Operating System - III BCA 'B'
SUBJECT: Programming in C - I BCA 'B'

01.9.21

Ihm

Examining Full J2EE Implementations

- BEA webLogic
- Borland Enterprise Server
- IBM WebSphere
- JBoss
- Oracle JIAS
- Orion Application Server
- Sun ONE

02.9.21

Ihm

Examining Partial J2EE Implementations

- Apache Tomcat

- Resin

- Servlet Exec

21/9/21

- Major features of the Servlet Containers

* Servlet API

* JSP Specification

* Built-in HTTP Server

* Deployment cost

* Development cost

* Configuration

- Avoiding Vendor-lockin

21.09.21

Error pages:

IV hr

- These are probably the two most popular error codes.

* 404 - Resource not found

* 500 - Internal error.

* java.sql.SQLException

* com.mysql.jdbc.ConnectionError.jsp

* com.mysql.jdbc.Connection404.html

* com.mysql.jdbc.Connection500.jsp

24.9.21

Using Java Beans

III hr

- A Java Bean is a java class that has a no-arguments constructor private or protected fields

- Using Java Beans in JSP

- The scope of Java Beans

creating a Java Bean



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090558
12/9/21

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JSP

A. Mania Stella

Notes of Lesson

JULY 2021 - ~~DEC~~ DEC 2021

- 1) III BCA A, B, C
Web designing using HTML
- 2) III Phy IDC I A, B
Computer and Skill Development
Course
- I BCA 'A' Programming in C

Cell Spacing

06.08.21
01, 1st hr

III A

4th hr

1st sec

* cell spacing attribute defines space

between table cells

* Example program

* output

Cell Padding

07.08.21
02, 2nd hr

III A

4th hr

1st sec

* Represents the distance between cell borders and the content within a cell

* Example program

* output

Rowspan

10.08.21
04, 1st hr

III A

09.08.21
1st hr

1st sec

~~8-5-2021~~
9/8/21

* used to merge two or more rows

* Syntax

* Example program

* output

- * Select and option Element
- * Syntax
- * Example
- * Properties

Javascript Built-In objects

- * String object
 - * Syntax
 - * Example
 - * String Methods
 - * Properties

Math object

- * Properties
- * Methods
- * Syntax
- * Example

Date object

- * Example
- * Methods



B. Paul

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user-defined objects

Example

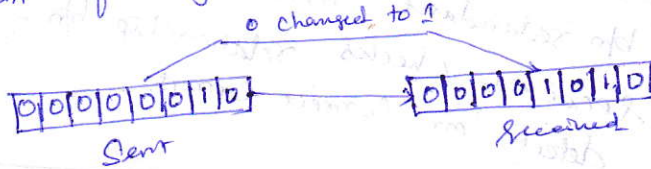
- (ii) \Rightarrow In real time audio & video - uneven delay b/n frames - not acceptable.
- ex: TV images - broadcast rate - 30 images per second. view at same rate.
- If each image - send using one or more frames - no delay b/n images.
- guarantees - data arrive at fixed rate.

Unit-III

Error Detection & Correction

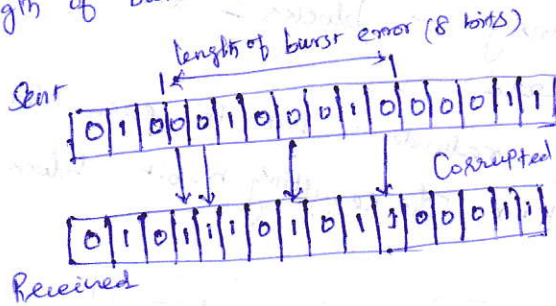
Types of Errors.

- bits flow - one point to another; unpredictable changes - interference.
- Interference - Change shape of signal.
- single bit error - 0 to 1 or 1 to 0
- Burst error - multiple bits are changed.
- single bit error - only 1 bit of a given data unit - Changed from 1 to 0 or 0 to 1.



Burst Error

- 2 or more bits - data unit - changed 1 to 0 or 0 to 1
- length of burst measured - first corrupted bit to last corrupted bit



Redundancy

- Central concept in detecting or correcting errors - Redundancy.
- to be able to detect or correct errors, need to send some extra bits - with data.
- Redundant bits - added by sender & removed by receiver.

21/9/21

Detection Vs Correction

Error Detection

- only to see if any error occurred.
- Answer \rightarrow yes or no

II BCAA 'C'
D-III
H-III
07.09.21

II BCAA 'A'
D-2
H-2
02.09.21

and line.
inning of bit,

- If it is, server act as client process & sends message to real server.
- If it is not, the message dropped and error message sent to external user.

Handwritten signature

Handwritten signature

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Handwritten notes and scribbles, including the word 'Forward' written upside down.