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Class Fest Part A

20) Different features of Machine Independent Loady.

· Loading and linking are after thought of as apprating system service functions.

features

- · Automotic Library search
- · Loader options

Automatic Library Search for handling external references. Allows programmers to use standard substantines without explicitly including them in the program to be be loaded.

· The routines are automatically retrieved from a library as they are needed Juring linking.

Loader options

icommon options that can be selected at the time of

26) Difference between linking loader and linkage Editor.

Linking Loader Linkage Editor.

Penform all linking and relocation. Produces a linked version of operations including automatic the produce.

operations including automatic lilenary search and loads the linked knogram into memory for execution

the Program, which is normally written to a title or library for later enercition.

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· Suitable when a program is reassembled for hearly every execution.

Resolution of enternal

Resolution of enternal

con reference and library

securching is done more

than once

is exercised many firmes without heing reassembled

Resolution of enternal reference and library searching is done enactly conce.

Similarities

Bath linkage editor and linking loader run on abject program and generates one.

20) Machine - Independent features of a macro processer

· Concertenation of macro Parameters

Mast macro processors allow Parameters to be

Contratenated with ather Charecter strings.

Tremenation of conique Labels.

It is in general not possible for the body of or macro instruction to contain labels of the certain kind.

· conditional Marro expansion

Most macro proconsors can modely the sequence of statements generated for a macro expansion depending on the arguements supplied in the macro invocation.

· Keyward macro parameters

Peritional Parameters. _

Paraneters and orguments were exported with each ether according to their positions in the macro

22) Charecteristics of an IDE (BASIS Nel Beans) The Explorer - The Explorer Filesystem too presents a hierarchial view of files and directories mountedin Net Beans. Files cosed by BBX on one of their accessory PUROGRAM LIKE APPBUILDUR are identified ly icans. The source Editor: The tent editor for a Visitally e very IDE has a tent editor designed to write and manipulate source code. Same tools may have visual Components to drag & drop trantend components, but most have a simple interface with language Aerific Syntax highlighting. Exemple: - Feb V5 rode Fditor Debugger: Debugging tools assist were in identifying and remedying emons within source code compiler: compilers are compenents that transcore por source code to forms machine can knocess.

code completion: code complete fectures ansoz

comman Code Comparents

programmer by Intelligently identifying finsenting

1 and par suna.

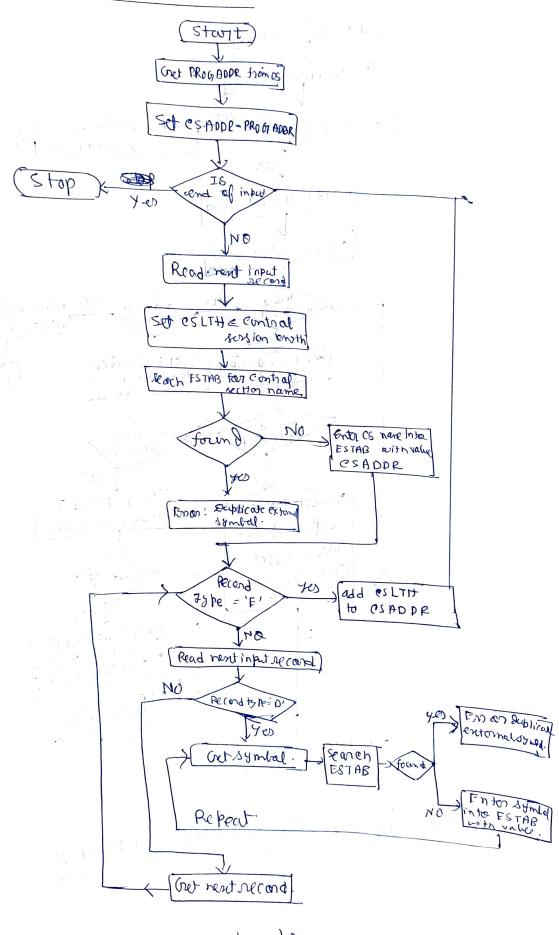
Language support & same IDES are language Specific while some offer multi language support.

Integrations of Plugins: IDES comes with lots of integrations of plugins which we can customize as per our needs.

START Read new abject to rent have Compute parsilie address. Add gon puted stertadd! Aboreto of all pushic lymbels in the section Act all Publich symbolin por apa ate 6\$1 update Je All & ctions read? o biect files Go to Pass !!

Pass 1

30) Juo pars Linking Loador



Pass 1 of Linking Loader.

Sandapan sala

E

START CUT CSADDR = PROGRADOR SEL EXEC ADRR = PROGRADOR Yes Jump to location End of input Then by EXECADOR STOP NO Read need input record CSLTH & Conhalstor address Prop add eslith Jy pe + FI to CSPHORR read next input Set EXECHODE to CSAPPRI SIE ad bren record Re cod Perodo 13 PC = - 17 7-28 Y-es Search ESTAB for Convert into into modity ing sy wedna Representation mare object Code from record Found = P Yes Add Is use must ymbal table at Toroth CSADOR + SPere HOR let Enon Flag act rext recor

PASS 11 OF LINKING LOADER

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		AER 6,2		6	
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	-	BCT 5, CYC			1)
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Sandepan Suh

Reg no Content

10 fr in a single table.

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	P	L 4, 0(0, j)	58401000
	(2	L 6, 4(0, 1)	58601004
	16	LE 2,0(0,9)	78204000
	20	FE 4,0 (0,6)	78466000
	2 %	MER 2,4	3 (2 4.
	26	AER 2, 6, 2	3 A 62.
	28	A 6, F'4'	5A64
	30	A 5, = F'4' => A 4,46(5 A 4 A
N, Martin Abarbaton and Tone .	32 B	eT 5, 14(0,10)	4650 ADOF
the state of the property of the state of th	3 6	L 5,8 (0,1)	58 40 1008
	170 5	7E 6,0 (0,4)	70604000

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