1) Storage orgnanization:

At The compiler demands a block of memory to operating system block of running the compiled code. This block of memory is called run time block of memory is called run time storage

nto different atypes. In Lange Code

i) The generated target code

of procedure activations

Generated : 20 code: 12 hoise oble servote. (x.

so tixed hence the target code occupres the Statically are a of the memory.

lower end of the memory

Data Objects.

of The amount of memory regular by data objects is known as compried in The compiler demonds

Dafin't

teme Appara Objects are also have State Cally orlea of memory

Active procedures.

accontrol stack es used to manage me active procedures.

opposed and c need the run terne Stalk die nordennofer (999 of providers activation

2) storage allocation strategies:

1) code area ·02) Static allocation

3) Stack allocation

4) Heap allocation. the whole was well Static allocation: the ap allo cation: minust so with this allocation method the memory is allocated Statically atolle noites elle quent The fortran uses the staticus allocation strategy. poster good god base souther Stack allocation. RIF PS also Called Control hear management. on In the s strategy reduction Stacks Ps allocated at vn teme 1) call by Value of the data structures can be created dyannically for stack discotin ON It can be changed during ron time. Slower or allocation is

chalic allocation. Heap allocation: Marion Mis Storage technique the memory PS allocated dynamically to began to the heap allocation allocates the continous block of memory. required. when he storage is required. Atthe free space can be further used by heap manager. de Lenked 18st are mostly used heap management. وامرام 3) Parameter Passings, 290 00 1) call by Value

2) call by Name

3) call by Reference 4) Copy Restore

mallotte 2/ services of other

4) symbol Table. Jodans 5 Fixed - length Name. 2 start dest Es. Namer offer - Attribute 2002 calculate notoriero abol es of sugar (1 Sum 2) Target para 3) Marriagerrant length name variable 5) Registery allowation Attabute. (3) chopse of Evaluation ardon) white Starteng Index ... Oboronall report of fixed 11. the soil and the contract 10 rotorose to los estationestre en 2 0 12250995 25 MA (1) Ibad no 2 rt where (so 01-2345678 9 10 11 12 13 14 15 16 19 Calculate \$ sum \$ a\$ 6 \$

symbol Management tools:
1.) LPS+
a) Hash tables
5) Issues 9n the design of CDOT.
1) Input to the Code Grenerator
a) Target Program
3) Memory Management
4) Instruction Selection Menol selderel
5) Register allocation
5) Register allocation 6) choice of Evaluation order, -) order Allocation orders, -) order
1) Input to code Grenerator:
a Input to the code generate
ls intermédiate codé generator
1) Linear expression
2) Syntax Free by DAG
3) Three Address code

2) Target program. ija bsolute MI 11) Relocatable ML 2 book. in it shows pr) Assembly Language AZ+ 15 Output of Code generator. Jenerate DACOE. 3) Memory Management: no 27 427 A Runtimer memory allocation of compile time memory allocation a) Instruction Selection: Selecting Set of instrution 12+6, 大社:一个 87 Registor allocation of variables are stored en et register allocation As Registers assignants are used for register, allocation.