Degine loader is program which accept the object program durch prepries their program for enecution by the computer and initiates the enecution.

Tunction of loader. Paying Loader 9 what are its function

Allocation: allocation. Spool in memory for the programs

levolve symbolic repenence between object duck

(8) Revocation Adjust all address departedent succión such as address constants do comerposado do the allegated space

physically place the moderne instruction and data into memory.

Name different types loading scheme? different types of loading schemes are compile and go leaders Groneral Locider scheme Relocating lociders Direct linking loaders Dynamie Loading Dynamic Linking explain dynamic loading and dynamic binder Dynamic loading. If the total amount of core required by all there subscenting exceed the amount available, as a common with large program Wsmall compute a where is trouble There one several hordwere techniques 15 cch as paging and seg mentation 1 Most attempt to solve this problem? In this section we will present conventional dynamic loading scheme based upon the use of a binder prior to loading. Dynamic Binder A binder is a program that porjoins the same function as direct linking loader in binding subscertine together best gather than process the relocated and linked text directly into memory its output the text as a file or cord deax. The output file is in a garmot ready to be leaded and is typically called a lead module. This loader merery has to physically load the module into The binder exentially performs the functions of allocation, relocation and linking: the module loader merely perform the function of loading. be changed

There are two major classes of bindens core image builder dinkage editob Explain Four types of cords used in direct linking External Symbol Dictionary cords. 7 The ESD Cord Contains the information necessary to beened the external symbol dicitonory or symbol Deyond the subsoutine level O segment Definition (SD) - name on START docal Definition (LP) - specified on Entry cond external Reperence (ER) - specified on EXTERN cand 2) TXT Cards The txt Cards contain block of data and the relative address at which of the data is to be placed once the loader is divided where to load the program It merely add the program Loader address (PLA) to the resulting location The data on the + x T cord may be instruction, nonrelocated data or initial values of address constants. The RLD Cords contain the following information:
The location and length of each address cenetant
that needs to be changed for relocation or linking The PLD cords

The enternal by mbol by which the address constant should be modified (added or subtracted) O The operation to be performed codd or subtraw END causs. The end and specifies the end of the object If the arrembles END cord has a symbol in the operand field (all subroutines) of enecution point for the entire program This is address is relorded on the END card. Thus to final cord required to specify the end of a collection The 360 loaders usually either a Loads terminate [101] or END of file (FOF) cord 6) write specification of databases used in part 1 and part 2 of pirect link loader. Am The database one in pars 1 and pars 2 of Direct linking loader 1 pars 1 data panes 1 Input object ducks. A parameter the intial program Load Addren (IPLA) Supplied by the programme or the operating system that specifies the address to lead the first segment. (3) A program Load Address (PLA) Counter, used to Keep track of each segments assigned location that is used to store each external symbol and its correspond A copy of the input to be used later by pars 2 ansigned care address

