int a=5; (size of int data type = 4 byles) Suppose if we have the above statement in our program The stack memory is used to allocate memory in this. The compiler does not allocate memory as it is not responsible for it, orather a compiler in weed to translate it into markine level Code. The memory allocation is done by the operating System (03)

int * pta = new int; pta = Ra;

Now in this case as we are using the new keyword to make a pointer. This knowner dynamic memory allocation and heap memory is used for it but if we write like,

ind + pta = Ra; & This is again statu memory allocation as cue are not using the new keyword

and stack memory is used.

But as far as memory allocation is Concurred OS is responsible

The size of a pointer variable depends on the computer arch. If the marking is 32 bits then the pointer size is 4 bytes, of the a 64 bit machine then in 8 bytes. The size remains the same regardless of the data type of the pointer. About a solven a conflict of the solvent of