



## Thursday CA Assignment-3

1 ans) Yes, there is a limit to the number of recursive calle that we make. For each recursive call we have to make an auffration block. For finite number of recursive calls we need infinite activation blocks which require Minite stack memory which is not possible. So, no. of recurrive calls you can make is equal to stack memory divided by the size of the block.

is limited. When we need variables more than the no. of registers we may use registers as-twice (or) thrice depending upon the no. of variables. When we go for a function that uses the same register uses that which is already in use.

I We solve those values of registers in activation block in stack. When the function finishes it restore

register to earlier values.

There are 2 types of register spilling.

1) Caller saved. -> saves the content of the register

ii) called gaved .- + saves the registers & later restores.

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10 11 12 13 14 15 16 6 7 8 9 18 19 3 20



3AN) No, I think.

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Because we require Conditional branches, call and return, unconditional branches is redundant.

When we go for it-elle condition we require conditional branches (or) to end a loop 80 many uses. Whenever we want to use a function many times we define that function and call it by using call function.

brancher. So above are compulsory required Pretructions unconditional branches are redundant because we use a conditional statement which is true always to make it on unconditional statement.

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