Q4: - Explain what is happening in each line of the program. #include (stdio.h) void main (int argn, char \*args []) (Calling the main function. The arguments are: 1) argn of int type. 2) args of which is an array character pointer. int i; "Declares the variable i of integer data type FILE \*fp; // Declares the variable fp, which points at the FILE data type tp-fopen ("note·txt", "a"); // fopen () is a library function that is used to open (or create) a file with different modes of access. It requires 2 parameters (arguments): -1. file name : + type : string = accepts the name of file 2. mode of operation: -> type: strung => "a" refers to the mode which opens the file for appending. Here, the file name is "note txt" and "a" means that the file is opened to add data to it. if (argn >2) // Check if the number of arguments given at the command line is greater than two. fprintf (fp, " \* \* \* \* o/os \* \* \* \* \n ", args [1]); This prints the second argument given by user in the command line in place of % s. Sprints function is used to wint content in the life interest in the to print content in the file instead of the stdout console. for (i=2; i < argn; i++) if (1%10==0) 2 fprintf (fp, "\n'); // Changes line after every 10 arguments. fprintf (fp, "%5", args [i]); // Prints the 1th argument starting from i=2. The first argument (which is priogram the name) is not privated.

prints a sequence of dashes after printing the arguments. 1/ The file corresponding to the pointer fp is closed, here the name of the file is note +xt. Kunning the program: gcc Q4·c 1 · /a. exe I am Sai Kaarthik. Output: (Inside note + x+) \*\*\*\* I \*\*\*\* amsaikaarthik. 2) · la·exe Sai Output: - Blank since the number of argument is not greater than equal to 2. ./a.exe abcdefghijklm Output: - \*\*\*\* a \*\*\*\* bcdefghi

(lince the codition i % 10 == 0 holds for this case which changes line after every 10 orguments.)