

Q2.

First inside the main() function, the input is taken from the terminal using the function inputfromTerminal(). It returns a 1 if input found, 0 otherwise. Then the inputted string (Stored in inp) gets tokenized about ' '. this result is stored in a 'parsed' array. Then the function myCMD is called to check for internal commands.

The internal commands that are implemented are:

1. cd options: -L and -p
2. echo options : -n and -E
3. history options: -c and -d
4. pwd options: -L and -p
5. exit

If the desired command is not found in these, Then the external() function is called and the external commands implemented are:

1. cat options: -u and -E
2. date options: -u
3. ls options: -a and -l
4. mkdir options : -p and -v
5. rm options: -v and -f

If the external commands are also not found, then appropriate error message is displayed. These external commands are called by the execvp() function that takes a string and parsed array as parameters and in the individual files of the functions it is decrypted appropriately. The error handling is done through the whole process wherever required.