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**Pseudocode for Linux Shell program.**

Main () {

*// display welcome message and great user*

welcomeMsg ();

*// run program until user selects to exit*

*// main while loop*

While (running == true)

{

*// display prompt which should show working directory*

promtUser ();

*//getUserInput will make one long string of chars containing everything typed*

*// until enter is hit*

getUserInput ();

*// check for redirect symbol*

HandleRedirect();

*//check for piping symbol*

HandlePipe();

parseArgs();

*// check if command is internal command*

*For each arg in internal command list*

*If(!arg(0) == list[i] ; I ++)*

*// else if command is file in directory*

*Fork ()*

*Exec(arg(0), args)*

*// else if command is linux system command*

*Fork ()*

*Exec(arg(0), args)*

*// else std error message*

} // end while

} // end main

/////////////////////////////////////////////////////////FUNCTIONS//////////////////////////////////////////////////////////////////////////////////////////////////

*//*-Convert each distinct string in the command into a C-String

//- Store the number of strings in the command in the integer variable argc

//- Store the C-Strings in an array of character pointers declared like this: char\* argv[100];

Int parseArgs(){}

getUserInput ();

promtUser ();

*// Enter switch case to handle internal command*

HandleInternal();

HandleExternal();

HandlePipe();

HandleRedirect();

welcomeMsg ();