```bash
#!/bin/bash
CB="\e[40m"; CT="\e[38;5;214m"; CR="\e[0m"; ROW="\e[40m\e[38;5;214m| %-3s %-55s |\e[0m\n"; BD="\e[40m\e[38;5;214m|
=========================================================|
\e[0m"; HDR="\e[40m\e[38;5;214m| %-59s |\e[0m\n"; CUR_DIR=$(pwd);
LOG_DIR="LaserRE_Output"; mkdir -p "$LOG_DIR"; menu() { clear; echo -e "${BD}"; printf "${HDR}" "LaserRE Navigator"; echo -e "${BD}"; printf "${ROW}" "1"
"List Files" "2" "Navigate Directories" "3" "Analyze File" "4" "View Reports" "q"
"Quit"; echo -e "${BD}"; read -p "Select an option: " choice; case "$choice" in 1)
list_files ;; 2) navigate_dirs ;; 3) analyze_file ;; 4) view_reports ;; q) exit 0 ;; *) echo
"Invalid choice"; sleep 1 ;; esac; menu; }; list_files() { clear; echo -e "${BD}"; printf
"${HDR}" "Files in $CUR_DIR"; echo -e "${BD}"; mapfile -t files < <(ls -1); for i in
"${!files[@]}"; do printf "${ROW}" "$((i+1))" "${files[$i]}"; done; echo -e "${BD}";
read -p "Select a file to analyze or press Enter to return: " file_choice;
[[ $file_choice =~ ^[0-9]+$ && $file_choice -ge 1 && $file_choice -le ${#files[
@]} ]] && analyze_file "${files[$((file_choice-1))]}" || menu; }; navigate_dirs()
{ clear; echo -e "${BD}"; printf "${HDR}" "Directories in $CUR_DIR"; echo -e "${BD}"; mapfile -t dirs < <(find "$CUR_DIR" -maxdepth 1 -type d | sort); for i in "${!
dirs[@]}"; do printf "${ROW}" "$i" "${dirs[$i]}"; done; echo -e "${BD}"; read -p
"Select a directory to navigate (0 to Go Back): " dir_choice; [[ $dir_choice == 0 ]]
&& CUR_DIR=$(dirname "$CUR_DIR") || [[ $dir_choice =~ ^[0-9]+$ &&
$dir_choice -ge 1 && $dir_choice -le ${#dirs[@]} ]] && CUR_DIR="${dirs[$dir_choice]}"; menu; }; analyze_file() { [[ -z $1 ]] && list_files; file=$1; clear;
echo -e "${BD}"; printf "${HDR}" "Analyzing $file"; echo -e "${BD}"; strings "$file"
> "$LOG_DIR/strings_$file.txt" 2>/dev/null; objdump -d "$file" > "$LOG_DIR/
objdump_$file.txt" 2>/dev/null; nm "$file" > "$LOG_DIR/nm_$file.txt" 2>/dev/null;
printf "${HDR}" "Analysis Complete!"; echo -e "${BD}"; printf "${ROW}" "1" "View
Strings" "2" "View Objdump" "3" "View NM" "4" "Return"; echo -e "${BD}"; read
-p "Select an option: " opt; case $opt in 1) cat "$LOG_DIR/strings_$file.txt";; 2)
cat "$LOG_DIR/objdump_$file.txt";; 3) cat "$LOG_DIR/nm_$file.txt";; *) menu ;;
esac; read -p "Press Enter to return."; analyze_file "$file"; }; view_reports() { clear;
echo -e "${BD}"; printf "${HDR}" "Available Reports"; echo -e "${BD}"; mapfile -t
reports < <(ls "$LOG_DIR"); for i in "${!reports[@]}"; do printf "${ROW}" "$((i+1))"
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"${reports[$i]}"; done; echo -e "${BD}"; read -p "Select a report to view or press
Enter to return: " report_choice; [[ $report_choice =~ ^[0-9]+$ && $report_choice
-ge 1 && $report_choice -le ${#reports[@]} ]] && { clear; cat "$LOG_DIR/$
{reports[$((report_choice-1))]}"; read -p "Press Enter to return."; } || menu; }; menu
```