TEST DISK

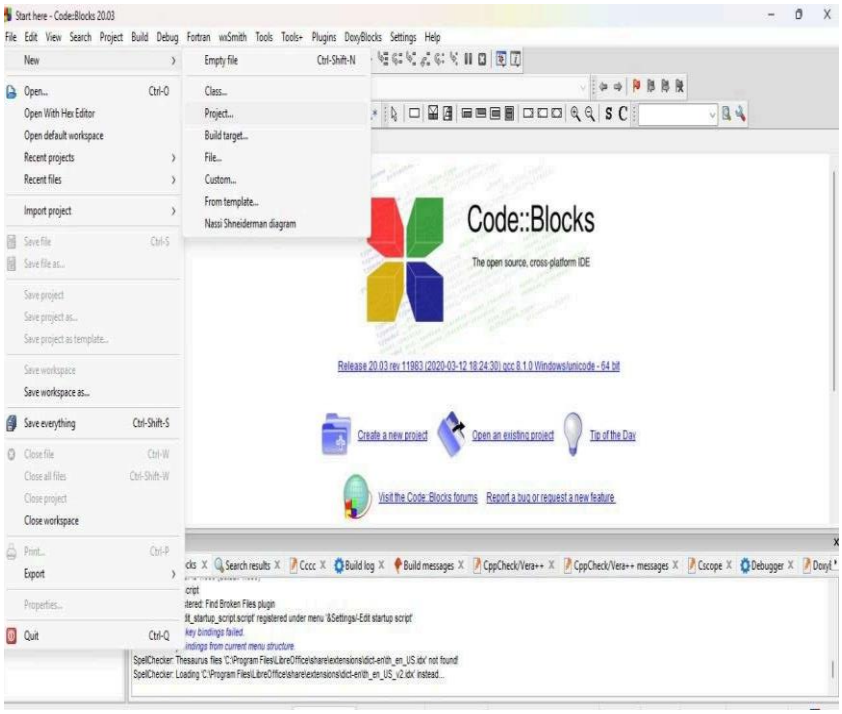
AIM:

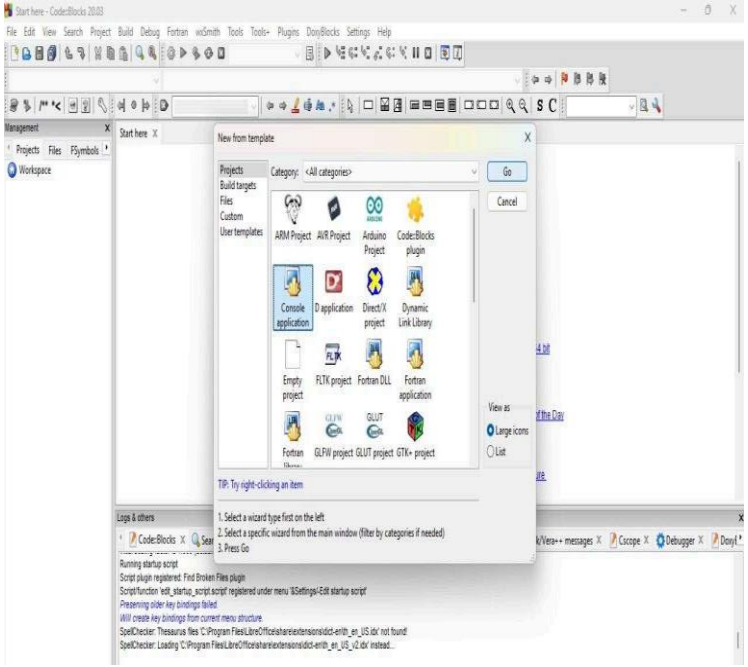
To recover deleted or lost partitions using TestDisk and examine the results in Autopsy and to study how damaged or corrupted file systems can be restored.

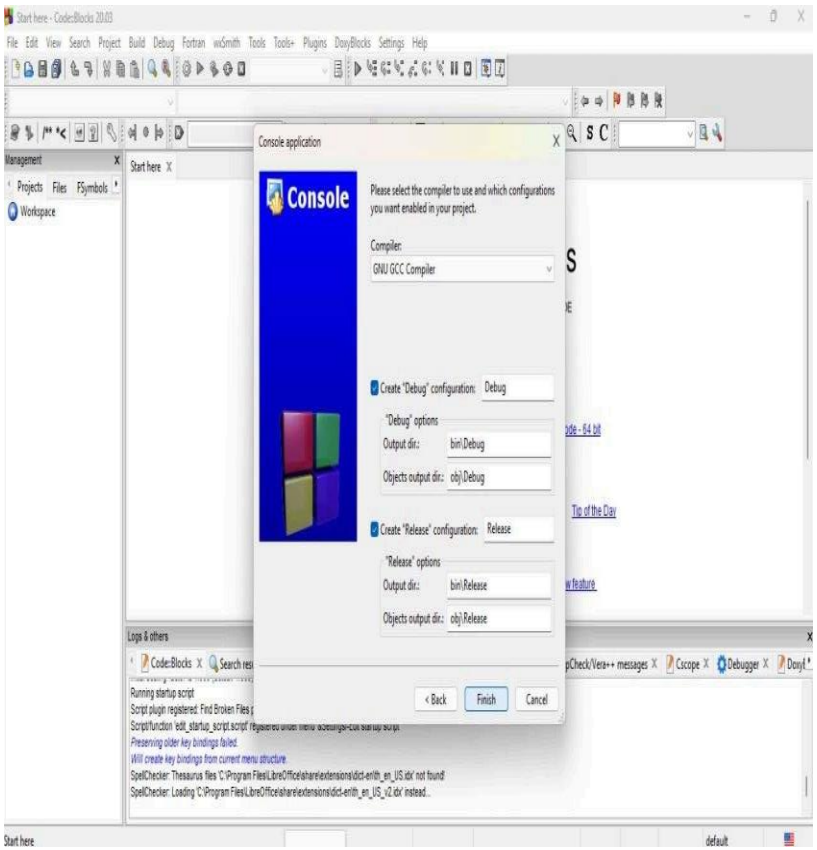
DESCRIPTION ABOUT THE TOOL USED:

TestDisk is an open-source data recovery tool designed to recover lost partitions and repair corrupted file systems. It supports various file systems like FAT, NTFS, and ext2/3. Using Autopsy, the recovered files and partitions can be analyzed to verify authenticity. The tool is valuable for forensic examiners to reconstruct deleted evidence and study disk-level damage. This experiment helps understand how digital forensics retrieves and examines lost or hidden data efficiently.

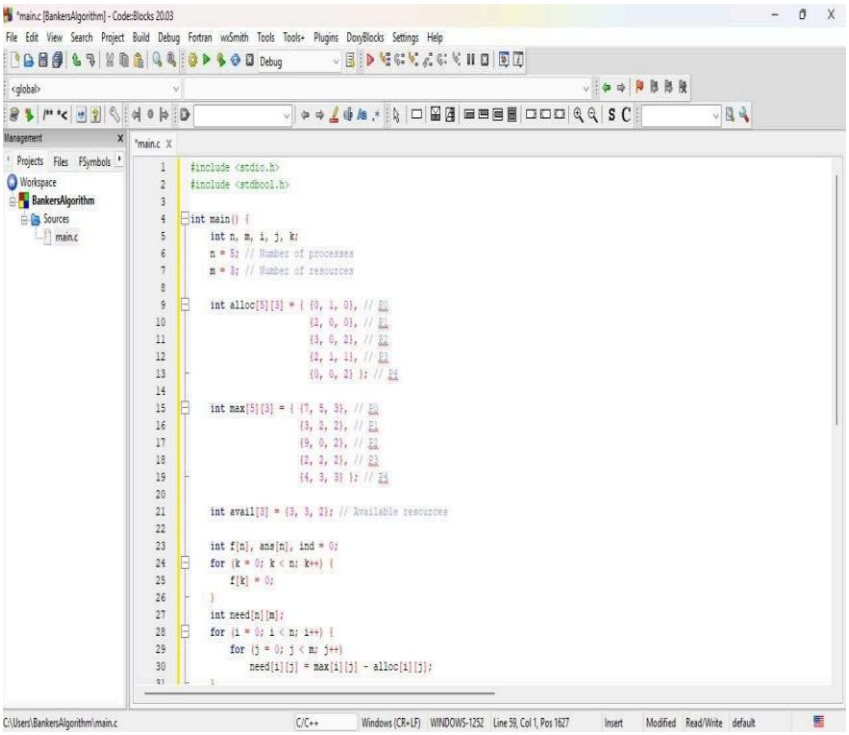
STEPS INVOLVED:




Start here - CodeBlocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
Management
Projects Files FSymbols
Workspace
Start here
New from template
Projects
Build targets
Files
Custom
User templates
Category: <All categories>
Go
Cancel
ARM Project
AVR Project
Arduino Project
CodeBlocks plugin
Console application
D application
DirectX project
Dynamic Link Library
Empty project
FLTK project
Fortran DLL
Fortran application
Fortran
GLFW project
GLUT project
GTK+ project
View as
Large icons
List
TIP: Try right-clicking an item
1. Select a wizard type first on the left
2. Select a specific wizard from the main window (filter by categories if needed)
3. Press Go
Logs & others
CodeBlocks
Cscope
Debugger
Running startup script
Script plugin registered: Find Broken Files plugin
Script/function 'edit_startup_script.script' registered under menu 'ßSettings/-Edit startup script'
Freeing older key bindings failed.
Will create key bindings from current menu structure.
SpellChecker: Thesaurus files 'C:\Program Files\LibreOffice\share\extensions\dict-en\th_en_US.idx' not found
SpellChecker: Loading 'C:\Program Files\LibreOffice\share\extensions\dict-en\th_en_US_v2.idx' instead...


Start here - CodeBlocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
Management
Projects Files FSymbols
Workspace
Start here
Console application
Console
Please select the compiler to use and which configurations you want enabled in your project.
Compiler:
GNU GCC Compiler
Create "Debug" configuration:
Debug
"Debug" options
Output dir.:
bin\Debug
Objects output dir.:
obj\Debug
Create "Release" configuration:
Release
"Release" options
Output dir.:
bin\Release
Objects output dir.:
obj\Release
< Back
Finish
Cancel
Logs & others
Code::Blocks
Search results
CppCheck/Vera++ messages
Cscope
Debugger
Running startup script
Script plugin registered: Find Broken Files
Preserving older key bindings failed.
Will create key bindings from current menu structure
SpellChecker: Thesaurus files 'C:\Program Files\LibreOffice\share\extensions\dict-en\th_en_US.idx' not found
SpellChecker: Loading 'C:\Program Files\LibreOffice\share\extensions\dict-en\th_en_US_v2.idx' instead...
Tip of the Day
Start here
default

RESULT:


*main.c [BankersAlgorithm] - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
Debug
<global>
Management
Projects Files FSymbols
Workspace
BankersAlgorithm
Sources
main.c
*main.c
#include <stdio.h>
#include <stdbool.h>
int main() {
int n, m, i, j, k;
n = 5; // Number of processes
m = 3; // Number of resources
int alloc[5][3] = { {0, 1, 0}, // P0
{2, 0, 0}, // P1
{3, 0, 2}, // P2
{2, 1, 1}, // P3
{0, 0, 2} }; // P4
int max[5][3] = { {7, 5, 3}, // P0
{3, 2, 2}, // P1
{9, 0, 2}, // P2
{2, 2, 2}, // P3
{4, 3, 3} }; // P4
int avail[3] = {3, 3, 2}; // Available resources
int f[n], ans[n], ind = 0;
for (k = 0; k < n; k++) {
f[k] = 0;
}
int need[n][m];
for (i = 0; i < n; i++) {
for (j = 0; j < m; j++)
need[i][j] = max[i][j] - alloc[i][j];
C:\Users\BankersAlgorithm\main.c
C/C++
Windows (CR+LF)
WINDOWS-1252
Line 59, Col 1, Pos 1627
Insert
Modified
Read/Write
default