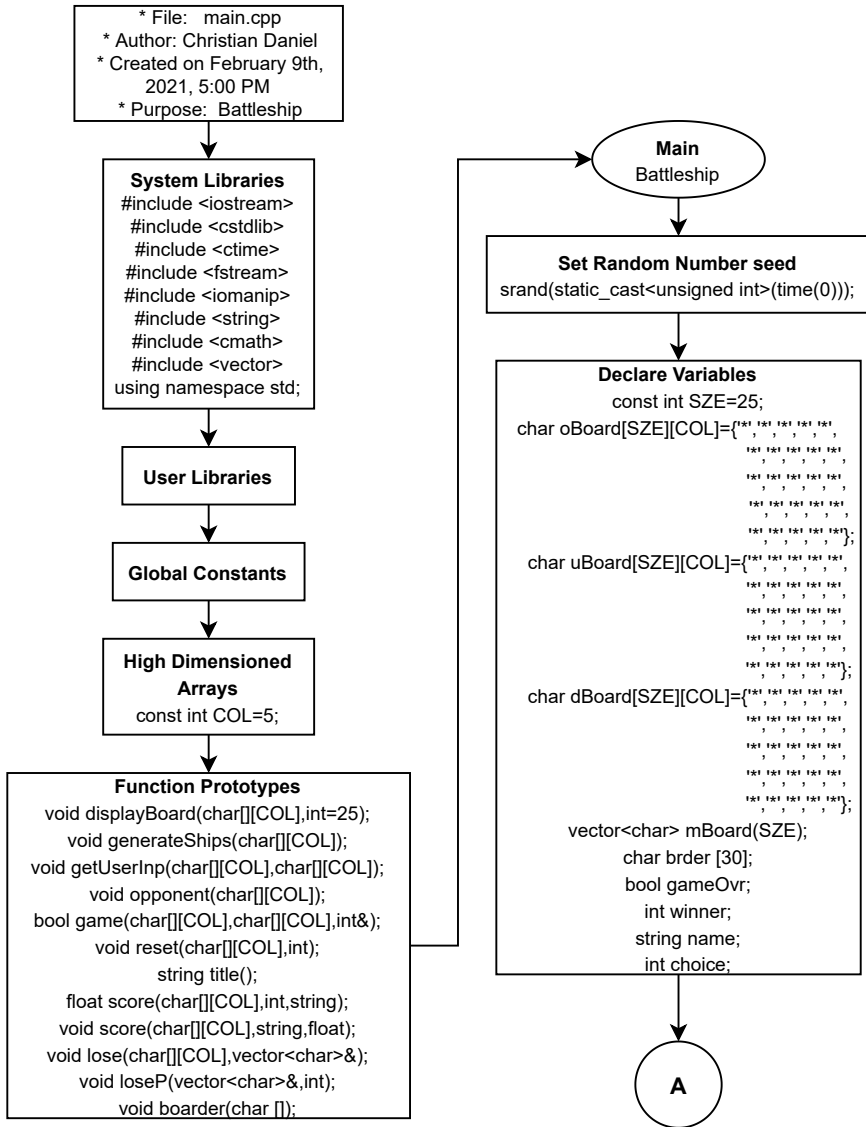
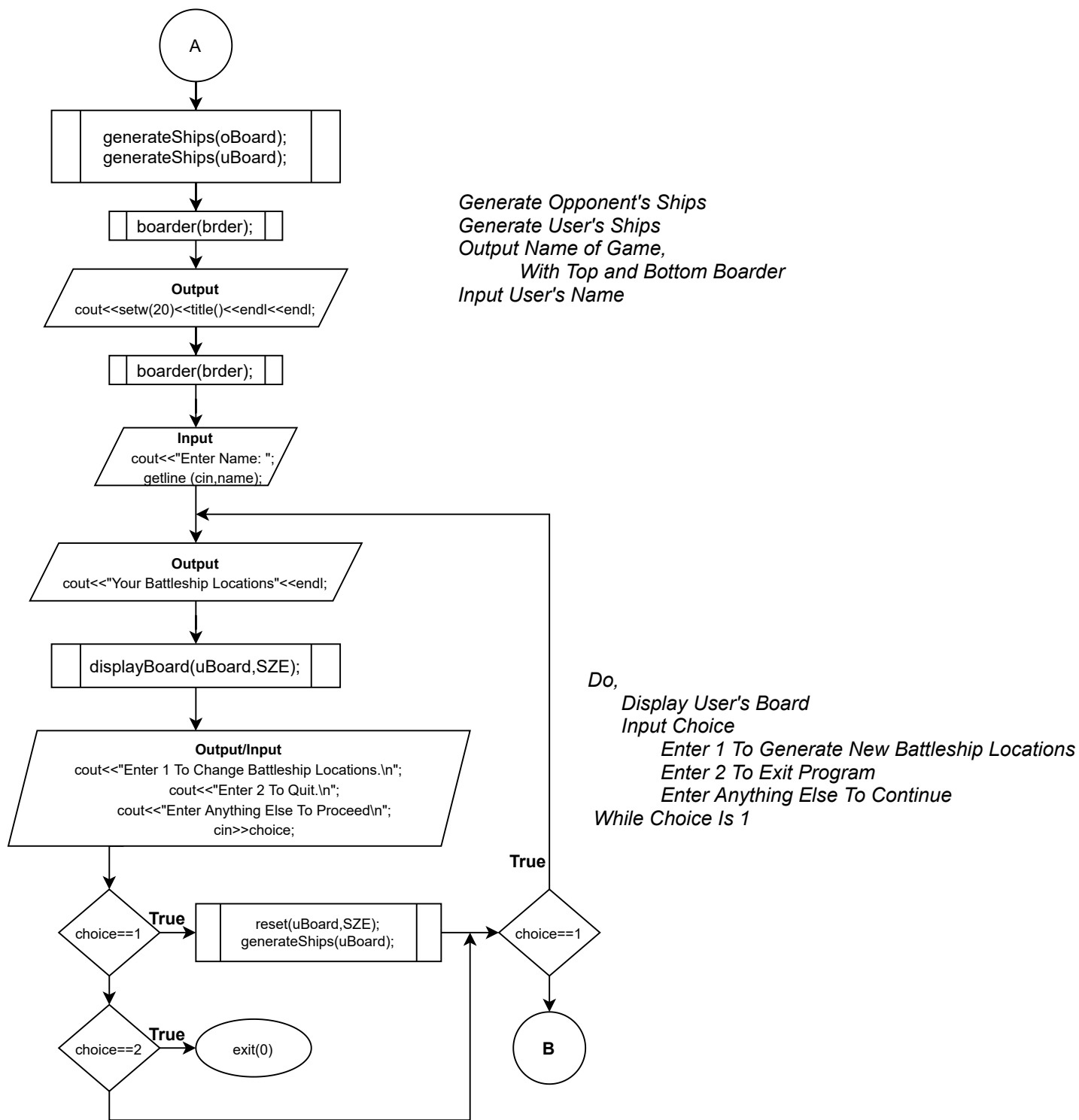


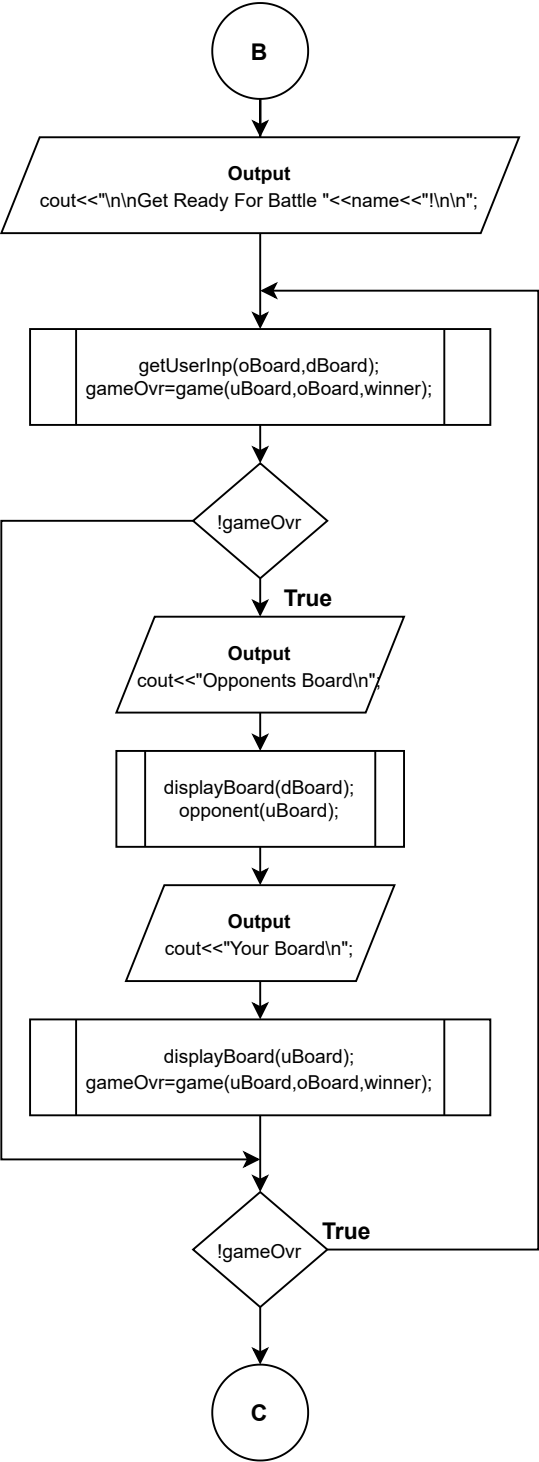
Battleship Flowchart



Pseudocode

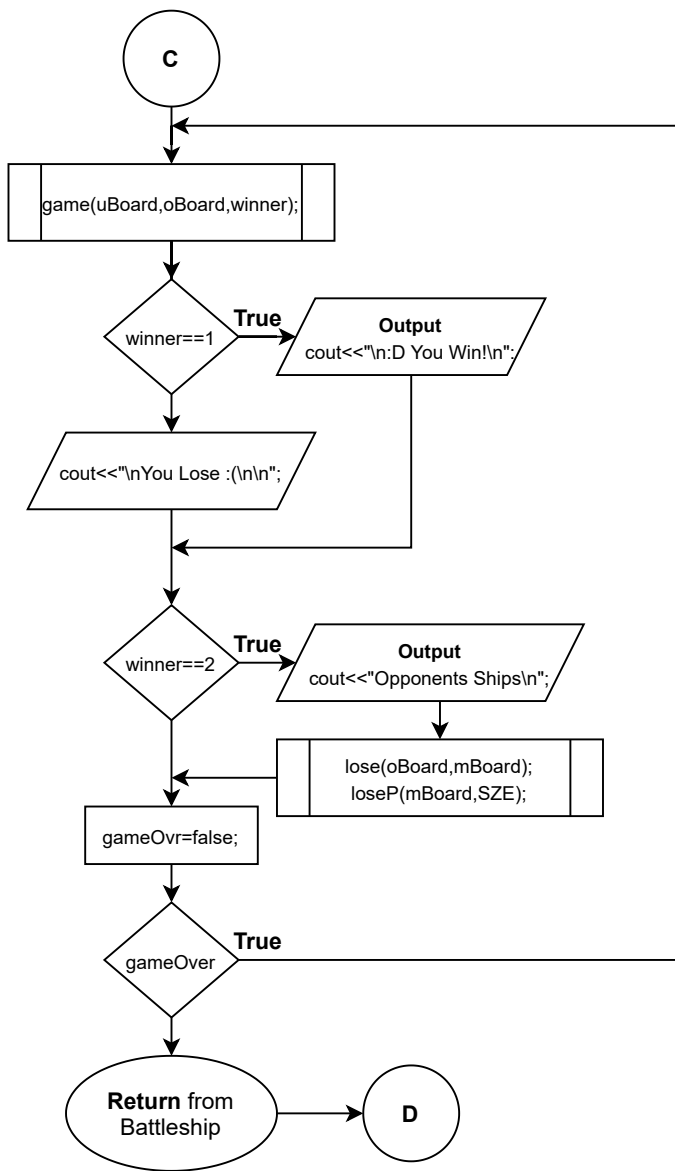
- Bring In System Libraries*
- Declare High Dimension Array Constant*
- Declare Function Prototypes*
- Enter Main Then,*
 - Set Random Number Seed*
 - Declare Variables and Initialize Game Boards*



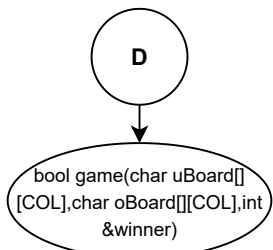


Output Message

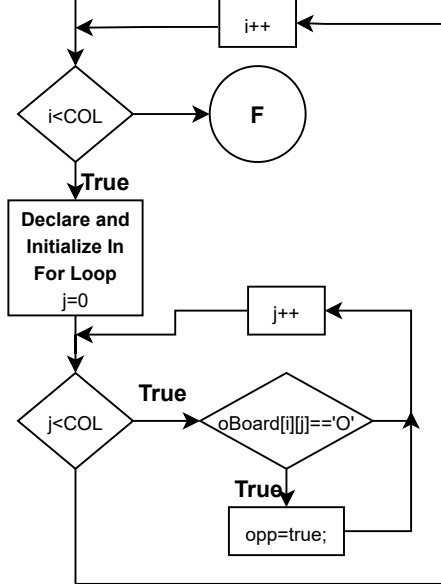
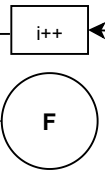
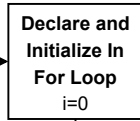
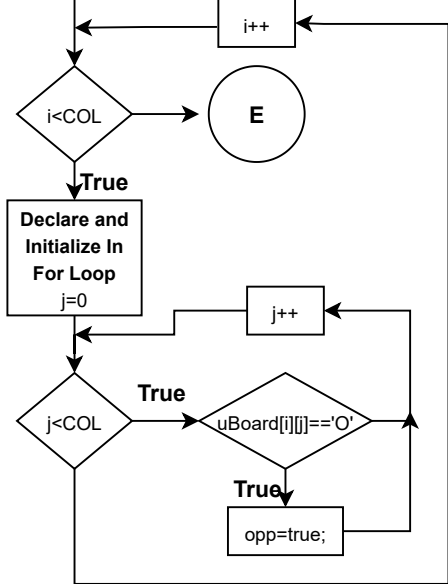
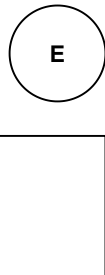
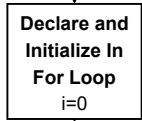
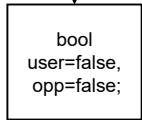
Do
Get User Input,
Input Row and Column To Attack
Check If Game Is Over
If Game Is Not Over
Display Opponents Board
Opponent's Turn To Attack
Display User's Board
Check If Game Is Over
While Game Is Not Over



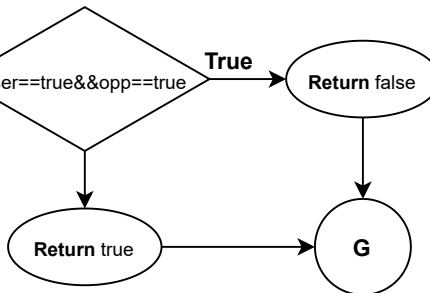
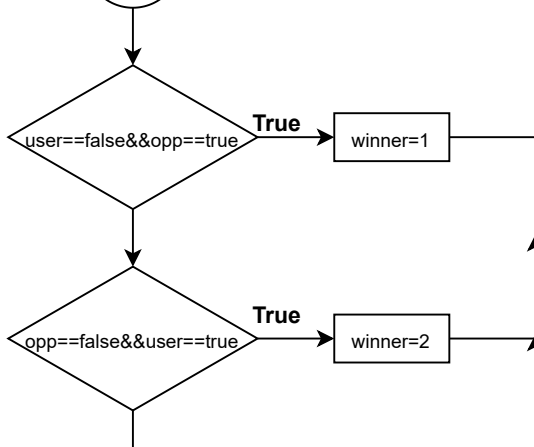
While Game Is Over
 Check Who Won
 If User Wins
 Output Message
 Else Output Message
 If User Wins
 Calculate and Output Score
 Output Number Of Misses
 If Opponent Wins
 Output Mini Board Revealing Opponent Ships
 Set GameOvr To False To Exit Loop

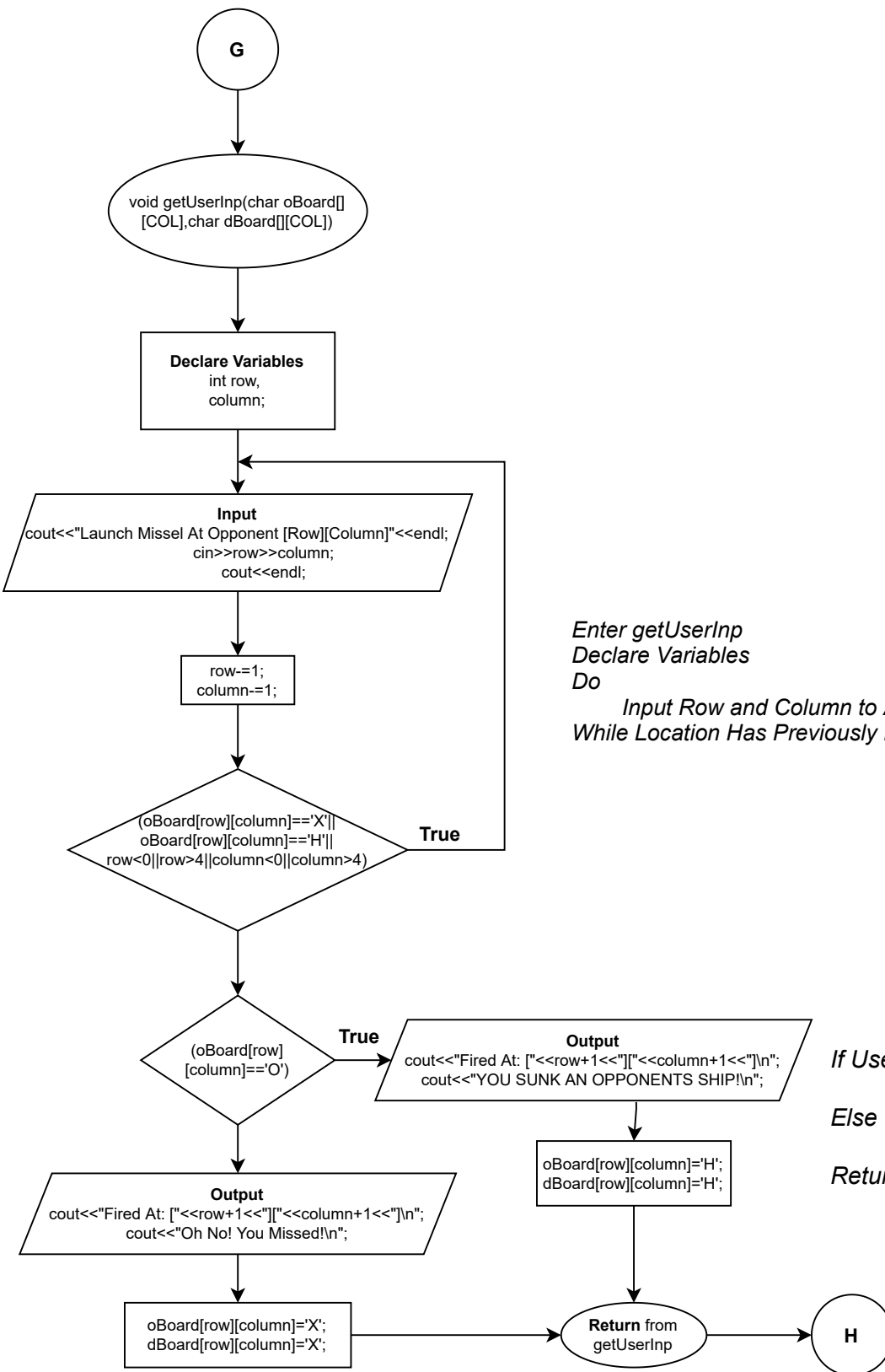


Enter game
 Declare and Initialize Variables
 For-Loop
 Search User Board For Remaining Ships
 For-Loop
 Search Opponent Board For Remaining Ships



If User Sunk All Opponent Ships
 User Is The Winner
 Else If Opponent Sunk All User Ships
 Opponent Is The Winner
 If Both Players Have Ships Remaining
 Game Is Not Over
 Else Game Over

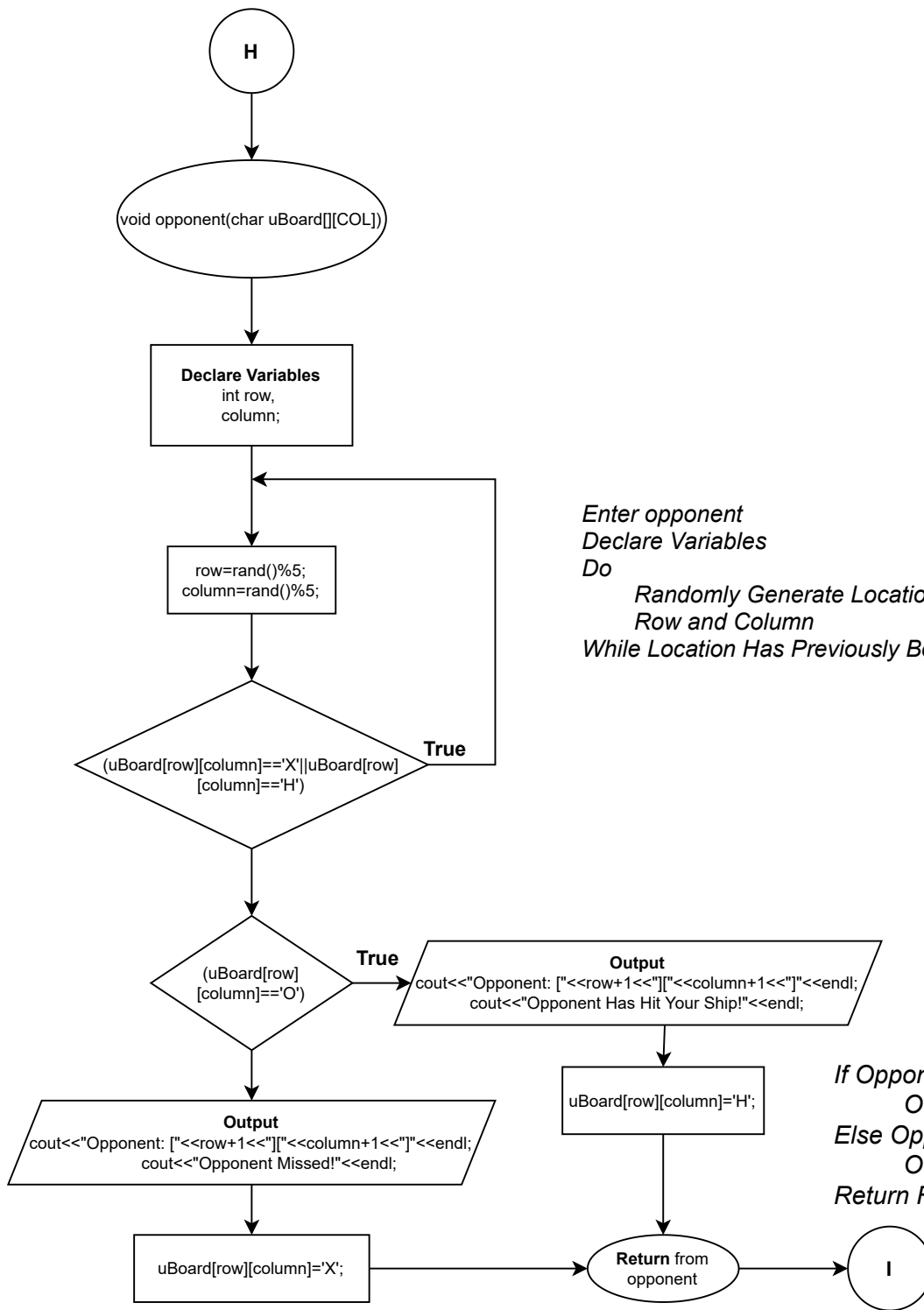




*Enter getUserInp
Declare Variables
Do*

*Input Row and Column to Attack
While Location Has Previously Been Attacked*

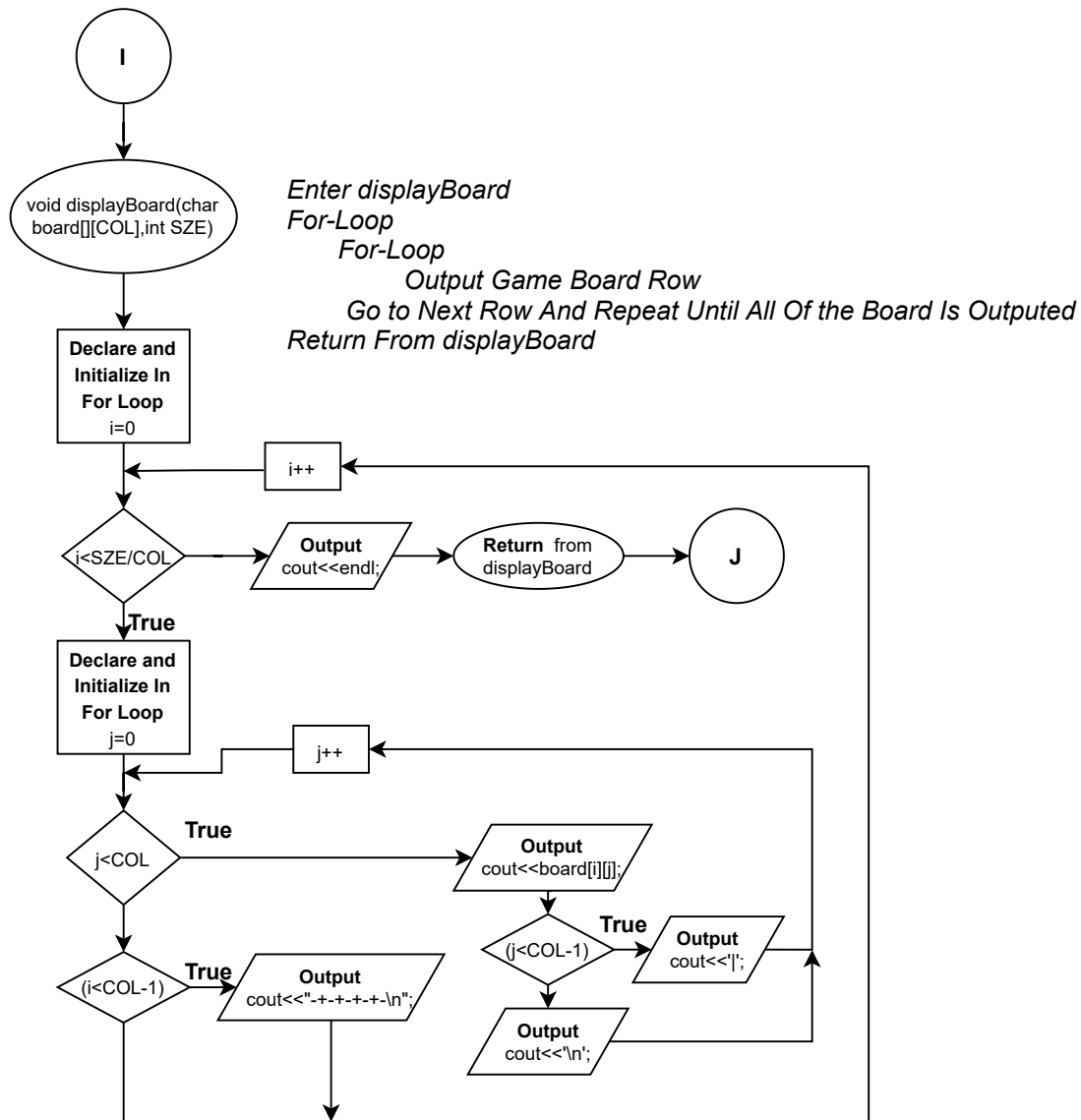
*If User Hit Opponents Ship
Output Message and Set Location to 'H'
Else User Missed
Output Message and Set Location to 'X'
Return From getUserInp*

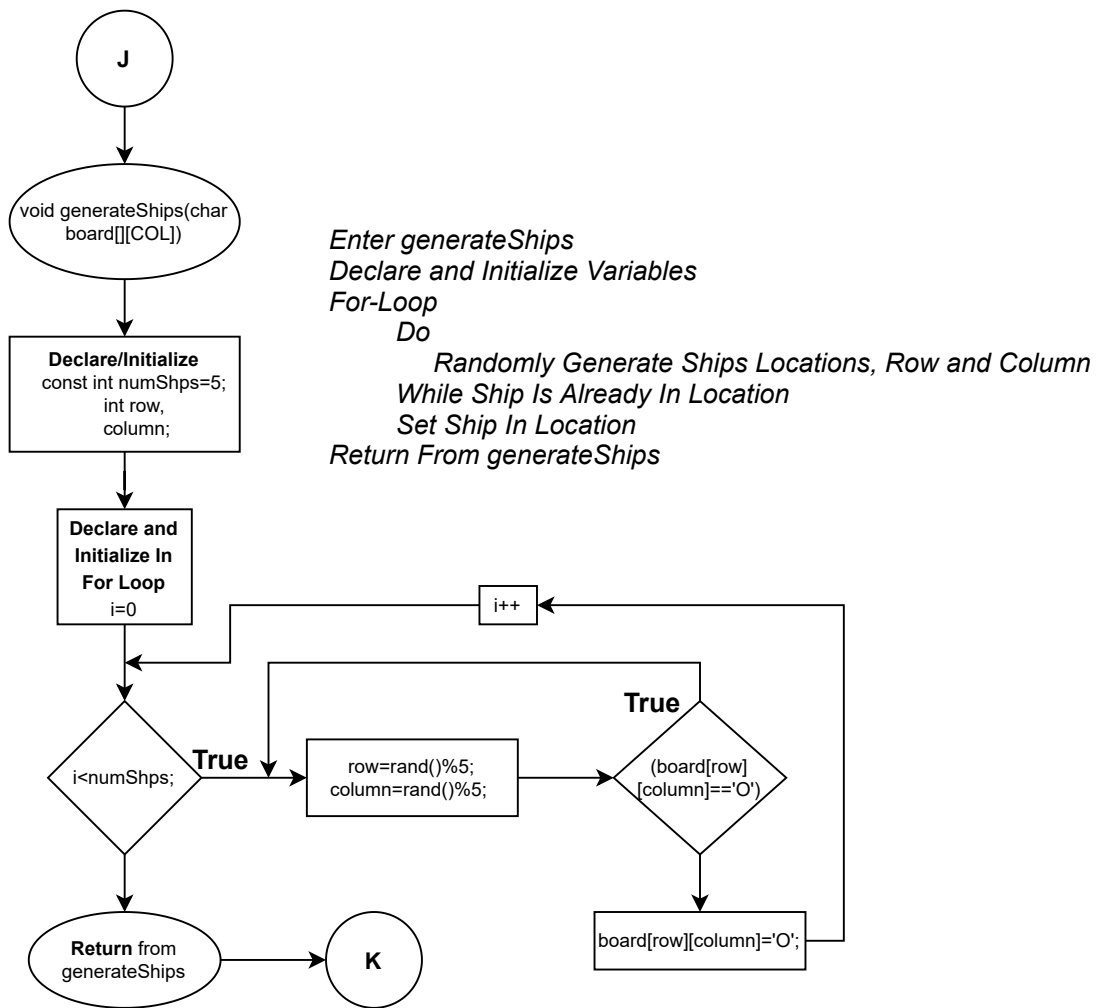


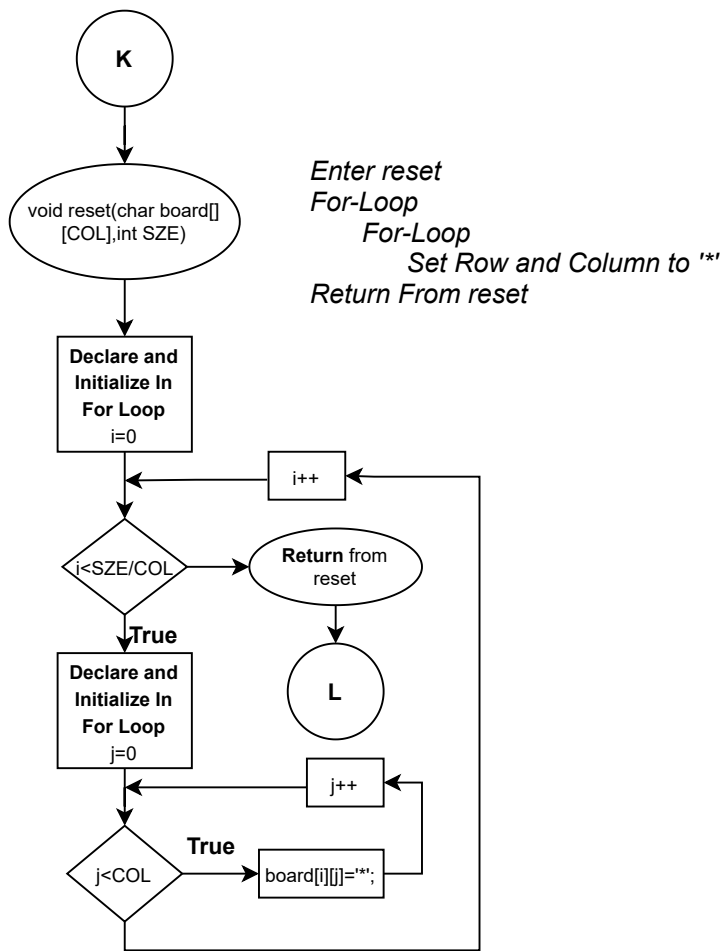
*Enter opponent
Declare Variables
Do*

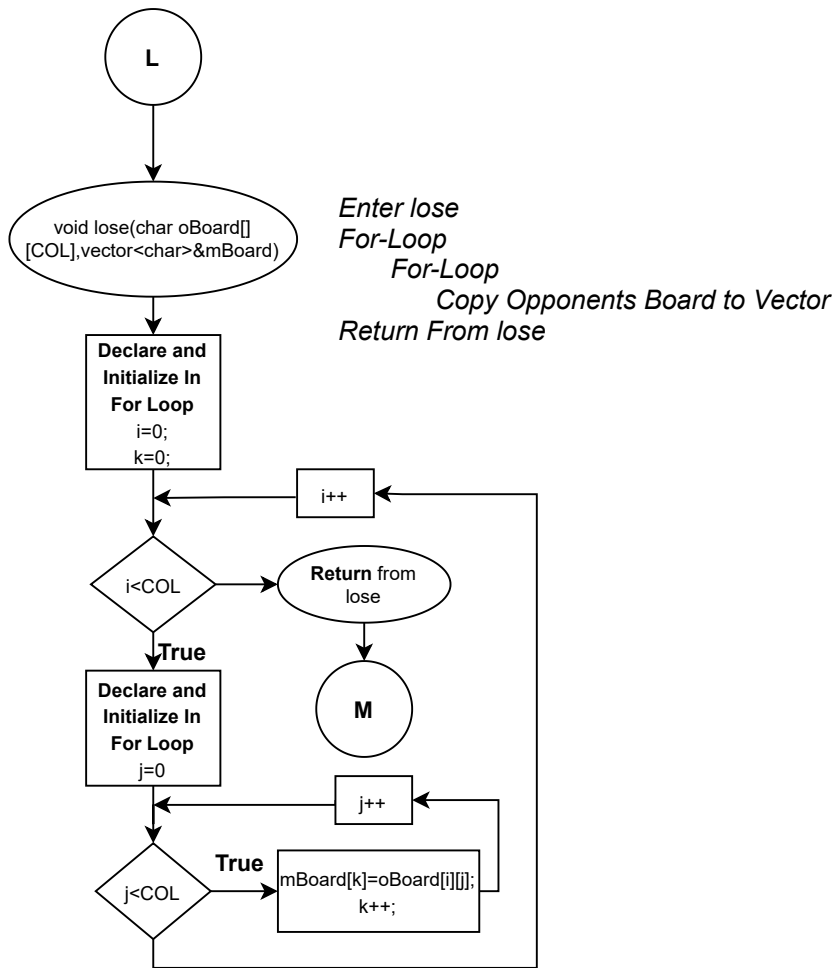
*Randomly Generate Location To Attack
Row and Column
While Location Has Previously Been Attacked*

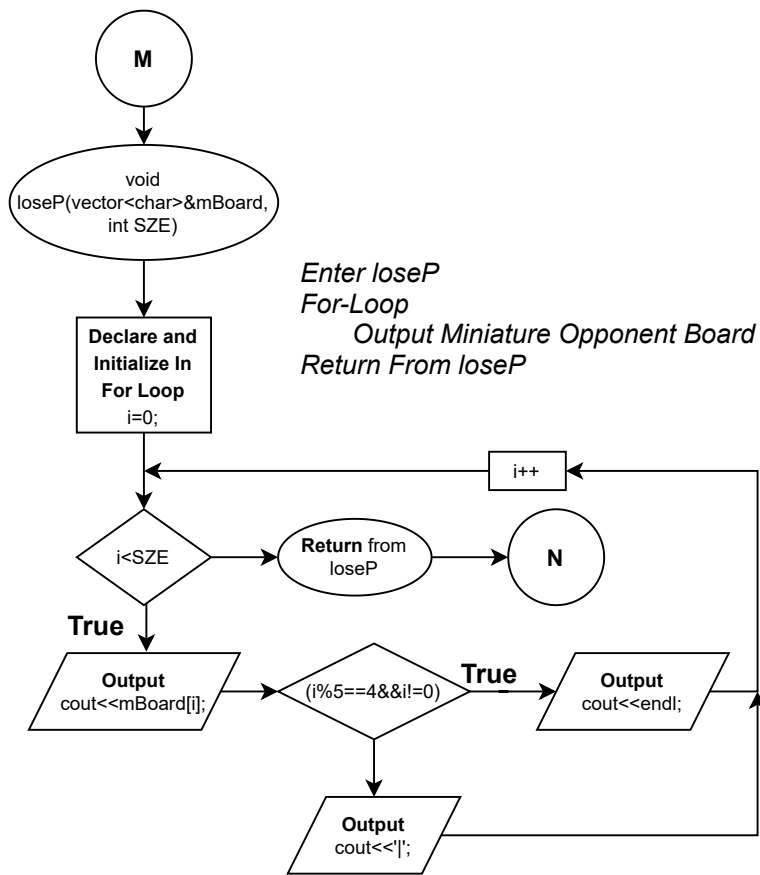
*If Opponent Hit Users Ship
Output Message and Set Location to 'H'
Else Opponent Missed
Output Message and Set Location to 'X'
Return From opponent*

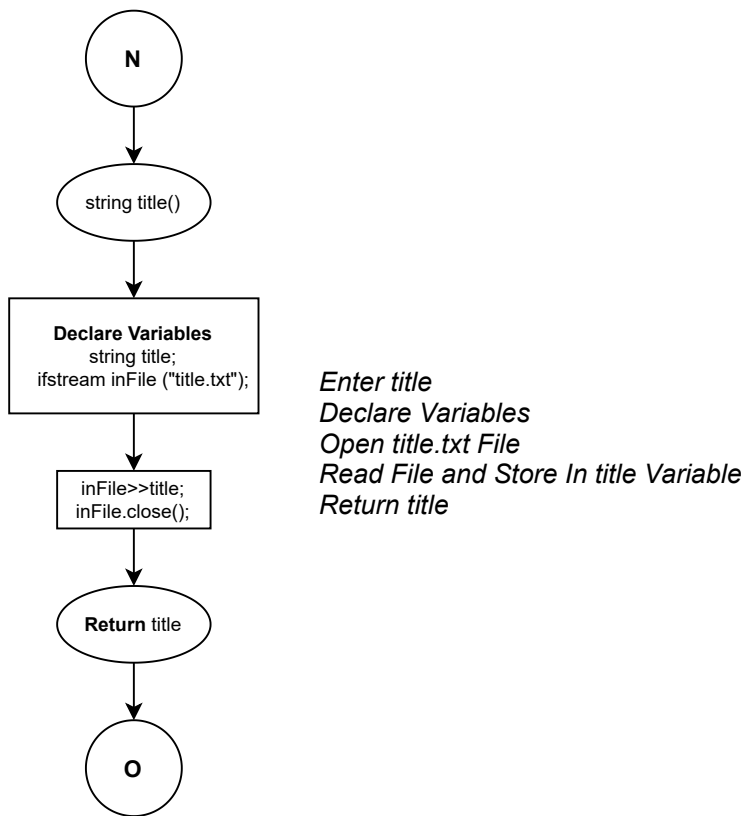


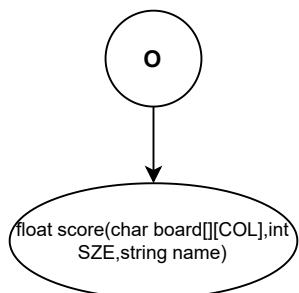






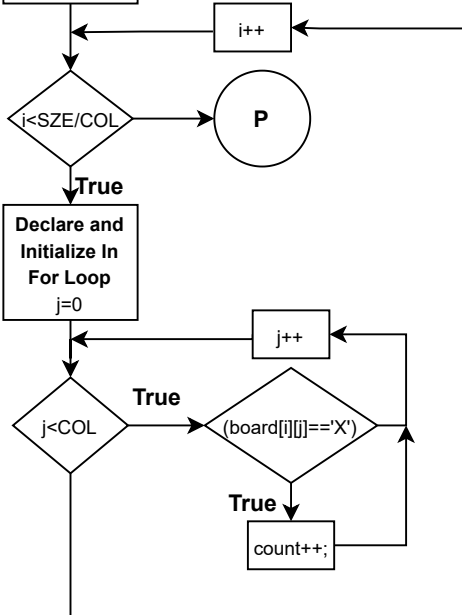




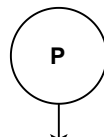


Declare and Initialize
cout=0;

Declare and Initialize In
For Loop
i=0;



Enter score
Declare and Initialize Variables
For-Loop
For-Loop
Search Board and Keep Count of Misses
Calculate Score
Output Score and Number of Misses
Return score



float score=100.0f;
score-=pow(count,1.53f);

Output
cout<<name<<" Got A Score Of "
<<setprecision(1)<<fixed<<showpoint<<score<<endl;
cout<<"Number Of Misses: "<<count<<endl;

