#include<iostream.h>

#include<process.h>

#include<conio.h>

#include<dos.h>

int play();

char square[10] = {'o','1','2','3','4','5','6','7','8','9'};

int checkwin();

void board();

void main()

{

clrscr();

clrscr();

cout<<" \n";

cout<<" ÛÛÛÛÛÛÛÛÛÛÛÛ ÛÛÛ ÜÛÛÛÛÛÛÛÜ \n";

cout<<" ÛÛÛÛÛÛÛÛÛÛÛÛ ÛÛÛ ÛÛÛÛÛÛÛÛÛß \n";

cout<<" ÛÛÛÛ ÛÛÛ ÛÛÛÛ \n";

cout<<" ÛÛÛÛ ÛÛÛ ÛÛÛÛÜÜÜÜÜÜ \n";

cout<<" ÛÛÛÛ ÛÛÛ ÛÛÛÛÛÛÛÛÛ \n";

cout<<" \n";

cout<<" ÛÛÛÛÛÛÛÛÛÛÛÛ ÛÛÛÛÜ ÜÛÛÛÛÛÛÛÛÛÛ \n";

cout<<" ÛÛÛÛÛÛÛÛÛÛÛÛ ÛÛÛÛÛÛÛ ÛÛÛÛÛÛÛÛÛÛÛÛ \n";

cout<<" ÛÛÛÛ ÛÛÛÛÛÛÛÛÛ ÛÛÛÛÛß \n";

cout<<" ÛÛÛÛ ÛÛÛÛ ÛÛÛÛ ÛÛÛÛÛÜ \n";

cout<<" ÛÛÛÛ ÛÛÛÛ ÛÛÛÛ ÛÛÛÛÛÛÜÜÜÜÜÜ \n";

cout<<" ÛÛÛÛ ÛÛÛÛÛÛÛÛÛÛÛÛÛÛÛ ßÛÛÛÛÛÛÛÛÛÛ \n";

cout<<" \n";

cout<<" ÛÛÛÛÛÛÛÛÛÛÛ ÜÛÛÛÛÛÛÛÛÜ ÛÛÛÛÛÛÛÛÛÛÛÛ \n";

cout<<" ÛÛÛÛÛÛÛÛÛÛÛ ÜÛÛÛÛÛÛÛÛÛÛÛÛ ÛÛÛÛÛßßßßßßß \n";

cout<<" ÛÛÛÛ ÛÛÛÛÛß ßÛÛÛÛÛ ÛÛÛÛÛÜÜÜÜÜÜÜ \n";

cout<<" ÛÛÛÛ ÛÛÛÛÛÜ ÜÛÛÛÛÛ ÛÛÛÛÛßßßßßßß \n";

cout<<" ÛÛÛÛ ÛÛÛÛÛÛÛÛÛÛÛÛÛ ÛÛÛÛÛÜÜÜÜÜÜÜ \n";

cout<<" ÛÛÛÛ ßÛÛÛÛÛÛÛÛÛß ÛÛÛÛÛÛÛÛÛÛÛÛ \n";

cout<<" \n";

window(15,22,80,25);

cout<<"Loading...";

window(15,23,80,25);

for(int i=0;i<50;i++)

{ delay(60);

cout<<"Û";

}

getch();

menu:

window(1,1,80,25);

int num;

clrscr();

cout<<"\n\n\n\t\t\tMAIN MENU\n";

cout<<"\t\t\t1.\tPlay Game\n";

cout<<"\t\t\t2.\tCredits\n";

cout<<"\t\t\t3.\tExit\n";

cout<<"\n\t\t\tEnter Your Choice\t:\t";

cin>>num;

switch(num){

case 1:

play();

break;

case 2:

clrscr();

cout<<"\n\n\n\t\t\tCREDITS\n";

cout<<"\t\t\tVedant Mehta\n";

cout<<"\t\t\tNikki Sharma\n";

cout<<"\t\t\tAashna\n";

cout<<"\t\t\tAnsh Gupta\n";

getch();

break;

case 3:

exit(0);

break;

default:

cout<<"\n\n\t\t\tINVALID CHOICE!!!\n\t\t\tEnter again!";

getch();

break;

}

goto menu;

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FUNCTION TO RETURN GAME STATUS

1 FOR GAME IS OVER WITH RESULT

-1 FOR GAME IS IN PROGRESS

O GAME IS OVER AND NO RESULT

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}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

FUNCTION TO DRAW BOARD OF TIC TAC TOE WITH PLAYERS MARK

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void board()

{

clrscr();

cout << "\n\n\tTic Tac Toe\n\n";

cout << "Player 1 (X) - Player 2 (O)" << endl << endl;

cout << endl;

cout << " ³ ³ " << endl;

cout << " " << square[1] << " ³ " << square[2] << " ³ " << square[3] << endl;

cout << "\_\_\_\_\_³\_\_\_\_\_³\_\_\_\_\_" << endl;

cout << " ³ ³ " << endl;

cout << " " << square[4] << " ³ " << square[5] << " ³ " << square[6] << endl;

cout << "\_\_\_\_\_³\_\_\_\_\_³\_\_\_\_\_" << endl;

cout << " ³ ³ " << endl;

cout << " " << square[7] << " ³ " << square[8] << " ³ " << square[9] << endl;

cout << " ³ ³ " << endl << endl;

}

int play()

{

int player = 1,i,choice;

char mark;

clrscr();

do

{

board();

player=(player%2)?1:2;

cout << "Player " << player << ", enter a number: ";

cin >> choice;

mark=(player == 1) ? 'X' : 'O';

if (choice == 1 && square[1] == '1')

square[1] = mark;

else if (choice == 2 && square[2] == '2')

square[2] = mark;

else if (choice == 3 && square[3] == '3')

square[3] = mark;

else if (choice == 4 && square[4] == '4')

square[4] = mark;

else if (choice == 5 && square[5] == '5')

square[5] = mark;

else if (choice == 6 && square[6] == '6')

square[6] = mark;

else if (choice == 7 && square[7] == '7')

square[7] = mark;

else if (choice == 8 && square[8] == '8')

square[8] = mark;

else if (choice == 9 && square[9] == '9')

square[9] = mark;

else

{

cout<<"Invalid move ";

player ;

getch();

}

i=checkwin();

player++;

}while(i==-1);

board();

if(i==1)

cout<<"==>\aPlayer "<<--player<<" win ";

else

cout<<"==>\aGame draw";

getch();

return 0;

}

int checkwin()

{

if (square[1] == square[2] && square[2] == square[3])

return 1;

else if (square[4] == square[5] && square[5] == square[6])

return 1;

else if (square[7] == square[8] && square[8] == square[9])

return 1;

else if (square[1] == square[4] && square[4] == square[7])

return 1;

else if (square[2] == square[5] && square[5] == square[8])

return 1;

else if (square[3] == square[6] && square[6] == square[9])

return 1;

else if (square[1] == square[5] && square[5] == square[9])

return 1;

else if (square[3] == square[5] && square[5] == square[7])

return 1;

else if (square[1] != '1' && square[2] != '2' && square[3] != '3' &&

square[4] != '4' && square[5] != '5' && square[6] != '6' &&

square[7] != '7' && square[8] != '8' && square[9] != '9')

return 0;

else

return -1;

}

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END OF PROJECT

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