

Student1 (Student1_ID) Student2 (Student2_ID)

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while [ $won -eq -1 ]; do
    #statements

    echo "Enter row and column (x,y)"
    read -r STR
    r=$(echo $STR | cut -f1 -d ',')
    c=$(echo $STR | cut -f2 -d ',')

    ##Taking Input
    #Error Handling
    while [ $r -lt 0 ] || [ $r -gt 2 ] ; do
        echo "Invalid Row Value. Row values are between 0 and 2"
        read -p "Enter row:" r
    done

    #Error Handling
    while [ $c -lt 0 ] || [ $c -gt 2 ] ; do
        echo "Invalid Column Value. Column values are between 0 and 2"
        read -p "Enter Column:" c
    done

    ##Setting the index in the array of the grid
    location=$((r*3+c))

    #preventing overwriting of values
    while [[ ${tttTable[$location]} != "-" ]] ; do
        echo "You can't place there! Please try again:"
        read -r STR
        r=$(echo $STR | cut -f1 -d ',')
        c=$(echo $STR | cut -f2 -d ',')
        location=$((r*3+c))
    done
    let location=$((r*3+c))

    ##Setting the user's mark
    let tttTable[$location]=0
    winsstates

    ##Determining the computer's move
    computerR=$(( RANDOM % 3 ))
    computerC=$(( RANDOM % 3 ))

    ##Setting the index in the array of the grid
    computerlocation=$((computerR*3+computerC))

    #preventing overwriting of values
    while [ ${tttTable[$location]} != "-" ]; do
        let computerR=$(( RANDOM % 3 ))
        let computerC=$(( RANDOM % 3 ))

        let computerlocation=$((computerR*3+computerC))
    done

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done

##Setting the computer's mark
let tttTable[$computerlocation]=8
winsstates
##Displaying the grid
tput clear

COLS=$(tput cols)
LNS=$(tput lines)
mov=0
for (( i = 1; i < 10; i+=3 )); do
    tput cup $((LNS/2 + $mov)) $((COLS/2))
    echo "${tttTable[$i-1]}_|_|${tttTable[$i]}_|_|${tttTable[$i+1]}"
    let mov+=1
done

done

echo "End_of_Life."
return
}

tictactoe
# whoWon

```

3 Question No. 3

```

#!/bin/bash

passwd=$1

if [[ ${#passwd} -lt 8 ]]; then
    echo "Weak_Password.Password_is_too_short.if_you_have_\$_in_your_password"
elif [[ $passwd != *[123456789]* ]]; then
    echo "Weak_Password.Password_must_contain_atleast_1_numeric_character."
elif [ $passwd != *[#\$%\%\&*+ -=]* ]; then
    echo "Weak_Password.Password_must_contain_atleast_1_special_character."
else
    echo "Good_Password"
fi

```

4 Comments

Interesting Assignment. Most Interesting. Felt like OOP again.