Exercise 20

*-- Normal Guessing Game*

main = do

putStrLn $ "Player 1 input: "

a <- getLine

next a

next a = do

play a

putStrLn $ "You Win!!!!"

play a = do

putStrLn $ "Player 2 input: "

b <- getLine

if a == b

then return 0

else

do

putStrLn $ "try again!!"

play a

*-- Guessing game with counter*

main' = do

putStrLn $ "Player 1 input: "

a <- getLine

putStrLn $ "Counter Limit: "

b <- getLine

let save = read a ::Int

let save' = read b ::Int

next' save save'

next' :: Int -> Int -> IO ()

next' a b = do

final <- play' a b 0

if final == "1"

then

do

putStrLn $ "You Win!!!! with " ++ final ++ " guesses"

else

putStrLn $ "You Lose!!!!"

play' :: Int -> Int -> Int -> IO [Char]

play' a c g = do

putStrLn $ "Player 2 input: "

inp <- getLine

let b = read inp ::Int

if a == b

then return "1"

else

if c /= (g + 1)

then

do

putStrLn $ "try again!!"

play' a c (g + 1)

else

return "0"