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import random#import these for later use

import sys

wallet = 500

total = 0

wager = ''

result = ''

wager = ''

result = ''

cTries = 0

total = 0

Zwager = ''

Zresult = ''

zTries = 0

randum = 0

Gwager = ''

result = ''

gTries = 1

guessTry = 1

Gtries = 1

numberQ=0

#below we defined all the function and put them into a function that totaled them all together

def getCHwager():

    global wager

    print('Welcome to cho-han.')

    while wager == '':

      print('Chose your wager Cho (even) or Han (odd).')

      wager=input()

      if wager == 'Cho' or wager == 'Han':

        break

      else:

        print('Please enter a valid wager. Either Cho or Han.')

        wager = ''

def diceRoll():

    global total,result

    total = random.randint(1,12)

    if total % 2 == 0:

      result = 'Cho'

    elif total % 2 == 1:

      result = 'Han'

def chResults():

    print ('The dice total is:', total)

    if wager == result:

        print ("You win.")

        #this is where we can add the betting stuff

    else:

        print ('You lost.')

        #add the losing money stuff here

#chohan function

def choHan():

    getCHwager()

    diceRoll()

    chResults()

def zambaleswager():

    global Zwager

    print('Welcome to Zambales. ')

    while Zwager == '':

      print('The goal of the game is to match the dice. Type (.) to continue.')

      Zwager=input()

      if Zwager == '.':

        break

      else:

        print('Please enter the correct character (.).')

        Zwager = ''

def ZdiceRoll():

    global zTries, Zresult,die1, die2

    for i in range (1,6):

        die1 = random.randint(1,6)

        die2 = random.randint(1,6)

        if die1 == die2:

            print ("The two dice rolled are:",die1, die2,"You won.")

            Zresult == 'Win'

            zTries = zTries + 1

            #so we can see how many tries it takes to win. If z tries is 1 or 2 they did it in the first two attempts if its greater they dont get their money

            break

        elif die1 != die2:

            print ('The dice do not match:',die1, die2,'.Rolling again.')

            zTries = zTries + 1

            #this is so we can so how many tries it takes to win

            Zresult == 'Lose'

#zammbales function

def zambales():

    zambaleswager()

    ZdiceRoll()

def getGwager():

    global Gwager

    print('Welcome to number guesser.')

    while Gwager == '':

      print('Chose a number between 1 and 100.')

      Gwager=int(input())

      if Gwager <= 100 and Gwager >0:

        break

      else:

        print('Please enter a valid number between 1 and 100.')

        Gwager = ''

def randNum():

    global gTries, Gwager

    randnum = random.randint(1,100)

    if randnum == Gwager:

        numberQ = '1'

        print ('You won.')

        gTries = gTries +1

        sys.exit

    elif randnum != Gwager:

        print ('You lost.The number was:', randnum)

        gTries = gTries +1

        Gwager = ''

        numberQ= 2

#number guess funtion

def NumberGuess():

    global Gtries

    while Gtries <4:

        getGwager()

        randNum()

        Gtries = Gtries + 1

#this is the main menu. the user is brought back to this screen after ever game and their balance changes.

def mainmenu():

   global wallet

   while wallet > 0:

        print("You have", wallet, "dollars in your wallet.")

        bet = int(input("How much would you like to wager? "))

        if bet > wallet:

            print("You don't have that much money in your wallet.")

            continue

        print("Choose the game you you would like to play.")

        print("1. ChoHan")

        print("2. Zambales")

        print("3. Number Guessing")

        print("4. Quit")

        gamechoice = int(input("Welcome to the Greyhound Casino. Please pick the game you would like to play."))

        if gamechoice == 1:

            choHan()

            if wager == result:

                wallet = (bet \*2)+ wallet

            else:

                wallet = wallet - bet

        elif gamechoice == 2:

            zambales()

            global die1, die2,zTries

            if die1==die2 and zTries<3:

                wallet = (bet\*2) + wallet

            elif die1==die2 and zTries<=5 and zTries>3:

                wallet = (bet\*0) + wallet

            else:

                wallet = wallet - bet

        elif gamechoice == 3:

            NumberGuess()

            global numberQ, Gwager,gTries

            if numberQ == 1 and gTries <2:

                wallet = (bet \*3)+wallet

            elif numberQ == 1 and gTries <3:

                wallet = (bet \*2)+wallet

            elif numberQ == 1 and gTries <4:

                wallet = (bet \*1)+wallet

            else:

                wallet = wallet - bet

        elif gamechoice == 4:

            print ('Thanks for playing good bye.')

            wallet = wallet - 10000000

            break

        else:

            print("That choice is not valid. Please try again.")

            print("You have", wallet, "in your wallet Come again to O'Flanagan's casino!")

 #this starts the code

while wallet >0:

    mainmenu()

#this ends the code

if wallet <=0:

    print ('Your all out of money.Thanks for playing at the Greyhound Casino.')