import random

MAX\_LINES = 3

MAX\_BET = 1000000

MIN\_BET = 1

ROWS = 3

COLS = 3

symbol\_count = {

"7": 2,

"BAR": 4,

"CHERRIES": 6,

"LEMON": 8

}

symbol\_value = {

"7": 5,

"BAR": 4,

"CHERRIES": 3,

"LEMON": 2

}

def check\_winnings(columns, lines, bet, values):

winnings = 0

winning\_lines = []

for line in range(lines):

symbol = columns[0][line]

for column in columns:

symbol\_to\_check = column[line]

if symbol != symbol\_to\_check:

break

else:

winnings += values[symbol] \* bet

winning\_lines.append(line + 1)

return winnings, winning\_lines

def get\_slot\_machine\_spin(rows, cols, symbols):

all\_symbols = []

for symbol, symbol\_count in symbols.items():

for \_ in range(symbol\_count):

all\_symbols.append(symbol)

columns = []

for \_ in range(cols):

column = []

current\_symbols = all\_symbols[:]

for \_ in range(rows):

value = random.choice(current\_symbols)

current\_symbols.remove(value)

column.append(value)

columns.append(column)

return columns

def print\_slot\_machine(columns):

for row in range(len(columns[0])):

for i, column in enumerate (columns):

if i != len(columns) - 1:

print(column[row], end=" | ")

else:

print(column[row], end="")

print()

def deposit():

while True:

amount = input("Howdy! Welcome to PYTHON SLOT MACHINE! What amount would you like to deposit? $")

if amount.isdigit():

amount = int(amount)

if amount > 0:

break

else:

print("Amount must be greater than 0.")

else:

print("Please enter a valid number.")

return amount

def get\_number\_of\_lines():

while True:

lines = input(

"Enter the number of lines to bet on (1-" + str(MAX\_LINES) + ")? ")

if lines.isdigit():

lines = int(lines)

if 1 <= lines <= MAX\_LINES:

break

else:

print("Enter a valid number of lines.")

else:

print("Please enter a valid number.")

return lines

def get\_bet():

while True:

amount = input("What amount would you like to bet on each line? $")

if amount.isdigit():

amount = int(amount)

if MIN\_BET <= amount <= MAX\_BET:

break

else:

print(f"Amount must be between ${MIN\_BET} - ${MAX\_BET}.")

else:

print("Please enter a number.")

return amount

def spin(balance):

lines = get\_number\_of\_lines()

while True:

bet = get\_bet()

total\_bet = bet \* lines

if total\_bet > balance:

print(

f"You do not have enough funds to bet that amount, your current balance is: ${balance}")

else:

break

print(

f"You are betting ${bet} on {lines} lines. Total bet is equal to: ${total\_bet}")

slots = get\_slot\_machine\_spin(ROWS, COLS, symbol\_count)

print\_slot\_machine(slots)

winnings, winning\_lines = check\_winnings(slots, lines, bet, symbol\_value)

print(f"You won ${winnings}.")

print(f"You won on lines:", \*winning\_lines)

return winnings - total\_bet

def main():

balance = deposit()

while True:

print (f"Current balance is ${balance}")

answer = input("Press enter to play (q to quit).")

if answer == "q":

break

balance += spin(balance)

print( f"You left with ${balance}, come back soon!" )

main()