import random

logo = """

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"""

def deal\_card():

    cards = [11,2,3,4,5,6,7,8,9,10,10,10,10]

    card = random.choice(cards)

    return card

# create an empty lists namely user\_card and computer\_card

user\_card = []

computer\_card = []

is\_game\_over = False

#create a function namely calculate\_score() and move it above so that we can call it where we want

def calculate\_score(cards):

    if sum(cards) == 21 and len(cards) == 2:

        return 0

    if 11 in cards and sum(cards) > 21:

        cards.remove(11)

        cards.append(1)

    return sum(cards)

    #call the function deal\_card() in the user\_card and computer\_card

def compare(user\_score , computer\_score):

    if user\_score == computer\_score:

        return "Draw"

    elif computer\_score == 0:

        return "Lose , opponent got a blackjack!"

    elif user\_score == 0:

        return "Win! , you got a blackjack!"

    elif user\_score > 21:

        return "You lose!"

    elif computer\_score > 21:

        return "You won!"

    elif user\_score > computer\_score:

        return "You won!"

    else:

        return "You lose!"

def play\_game():

    print(logo)

    is\_game\_over = False

    for \_ in range(2):

        user\_card.append(deal\_card())

        computer\_card.append(deal\_card())

    #create a while loop for the user

    while is\_game\_over is False:

        user\_score = calculate\_score(user\_card)

        computer\_score = calculate\_score(computer\_card)

        print(f"Your cards: {user\_card} Your score: {user\_score}")

        print(f"Computer's first card: {computer\_card[0]}")

        if user\_score == 0 or computer\_score == 0 or user\_score > 21:

            is\_game\_over = True

        else:

            user\_should\_deal = input("Type 'y' to add another card , otherwise type 'n' to pass. ")

            if user\_should\_deal == "y":

                user\_card.append(deal\_card())

            else:

                is\_game\_over = True

    #once the user in done now create a while loop for computer:

    while computer\_score != 0 and computer\_score < 17:

        computer\_card.append(deal\_card())

        computer\_score = calculate\_score(computer\_card)

    print(f"Your final hand: {user\_card} and your final score: {user\_score}")

    print(f"Computer's final hand: {computer\_card} and computer's final score: {computer\_score}")

    print(compare(user\_score , computer\_score))

    # ask the user if they want to restart the game or not:

    while input("Do you want to restart the game ? Type 'y' or 'n' ") == "y":

        play\_game()

play\_game()