print("\*\*\*\*\*\*\*\*\*Welcome to Mancala Board Game\*\*\*\*\*\*\*\*\*\*")

print("This is a traditional board game followed in Tamilnadu")

import random # To generate random number

d={0:5,1:5,2:5,3:5,4:5,5:5,6:5,7:5,8:5,9:5,10:5,11:5,12:5,13:5} # for Each hole 5 coins is initially assigned, totally 10 holes

player=1

ap=0

bp=0

A=0

B=7

i=1

while((ap<35)and (bp<35)):

if(player==1):

print('The turn goes to Player A')

x=random.randint(0,6) #randomly select 0-4 to consider as starting point at each turn

apos=A+x

j=1

while(j):

print('The position of A is ->',apos)

coin=d[apos] #coins to be considered as points

d[apos]=0 #empty the selected hole

while(coin!=0):

apos=apos+1

q=apos%14

d[q]=d[q]+1 #distribute 1 coin to each hole

coin=coin-1 #decrese 1 coin

print('The current board after A is ->',d)

z=(q+1)%14 #after putting all coins check next hole

if(d[z]==0): #if next hole is empty

j=0

z=(z+1)%14 # check for next hole

ap=ap+d[z] #Add the coins in the hole as Players point

d[z]=0 #Empty the coins in that hole

else:

apos=z

print('A chance is over and the total points of A is->',ap) #print the point of Player A

player=2 #Give the chance to player B

else:

print('The turn goes to Player B')

x=random.randint(0,6) #randomly select 0-4 to consider as starting point at each turn

bpos=B+x

j=1

while(j):

print('The position of B is->',bpos)

bcoin=d[bpos] #coins to be considered as points

d[bpos]=0 #empty the selected hole

while(bcoin!=0):

bpos=bpos+1

q=bpos%14

d[q]=d[q]+1 #distribute 1 coin to each hole

bcoin=bcoin-1 #decrese 1 coin

print('The current board after B is->',d)

z=(q+1)%14 #after putting all coins check next hole

if(d[z]==0): #if next hole is empty

j=0

z=(z+1)%14 # check for next hole

bp=bp+d[z] #Add the coins in the hole as Players point

d[z]=0 #Empty the coins in that hole

else:

bpos=z

print('B chance is over and the total points of B is ->',bp) #print the point of Player B

player=1 #Give the chance to player A

if(ap>bp):

print('A Won the Game and the Point is->',ap)

print('B Lost the Game and the Point is->',bp)

else:

print('B Won the Game and the Point is->',bp)

print('A Lost the Game and the Point is->',ap)

print('The final stauts of the board is d-->',d)