**Tuesday**

**Q1.** Player 1 won

Q2.

       ☆Enter player1sign

       ☆Enter player2sign

       ☆If the Player 1 sign  won print Player 1 won

       ☆If the Player 2 sign won print Player 2 won

       ☆ If the 2 are sign equal print EQUALITY

       ☆ Otherwise print A SIGN IS NOT CORRECT

Q3.

Player1sign=input("Player 1 sign:")

Player2sign=input("Player 2 sign:")

if Player1sign=="S" and Player2sign=="P" or Player1sign=="P" and Player2sign=="R" or Player1sign=="R" and Player2sign=="S":

  result="Player 1 won"

elif Player2sign=="S" and Player1sign=="P" or Player2sign=="P" and Player1sign=="R" or Player2sign=="R" and Player1sign=="S":

  result="Player 2 won"

elif Player1sign=="S" and Player2sign=="S" or Player1sign=="P" and Player2sign=="P" or Player1sign=="R" and Player2sign=="R":

  result="EQUALITY"

else:

  result="A SIGN IS NOT CORRENT"

print(result)

**Wednesday**

●Exercise 1

pP = input("Princess position:")

pPx = int(pP[0])

pPy = int(pP[2])

if pP[1] == ";":

    for n in range (4):

         if pPx < 0 or pPx >= 4 or pPy < 0 or pPy >= 4 :

              print("Wrong position format")

              break

         for i in range(4):

               if i == pPy and n == pPx:

                     print("P", end= " ")

              else:

                     print("0", end= " ")

         print(" ")

else:

      print("Wrong position format")

●Exercise 2

pP = input("Princess position:")

pPx = int(pP[0])

pPy = int(pP[2])

pBx = pBy = 0

Action = input("Balook move: ").upper()

for Balook in Action:

  if Balook == "L" or Balook == "l":

    pBx = pBx-1

  elif Balook == "R" or Balook == "r":

    pBx = pBx+1

  elif Balook == "D" or Balook == "d":

    pBy = pBy+1

  elif Balook == "U" or Balook == "u":

    pBy = pBy-1

  else:

    print("Contain invalid move")

for n in range (4):

  if pPx < 0 or pPx >= 4 or pPy < 0 or pPy >= 4:

    print("Princess is out of grid")

    break

  elif pBx < 0 or pBx >= 4 or pBy < 0 or pBy >= 4:

    print("Balook is out of grid")

    break

  for i in range (4):

     if n==pPy==pBy and i==pPx==pBx:

       print("\*", end=" ")

     elif n == pPy and i == pPx:

       print("P", end=" ")

     elif n == pBy and i == pBx :

       print("B", end=" ")

     else:

       print("0", end=" ")

  print(" ")

**Thursday**

Q1. Sum of sequares is:  91

Q2.

      ☆Enter max

      ☆ print the sum of sequares numbers from 1 and include max

Q3.

max=int(input("Max:"))

sum=0

for index in range(max+1):

  if index>0:

    sum=sum+index\*index

print("Sum of the squares is: "+str(sum))

**Friday**

Q1. 3,10,5,16,8,4,2,1

Q2.

      ☆ Enter number

      ☆ The number must be greater than zero, otherwise print Number shall be positive

      ☆If number is odd and when we divide it with 2 equal to 1 , we multiply by 3 and we add 1

      ☆If number is even and when we divide it with 2 equal to 0 , we divide it by 2

      ☆We print this number both odd numbers and even numbers until this number is equal to 1 and than we stop printing

Q3.

number=int(input("Number:"))

boolean= True

while number>0 and boolean:

  print(str(int(number)), end=",")

  if number%2==1 :

    number=number\*3+1

  else:

    number=number/2

    if number==1:

      print(str(int(number)))

      boolean= False

if number<0:

  print("Number shall be positive")