// Welcome to the TypeScript Playground, this is a website

// which gives you a chance to write, share and learn TypeScript.

console.clear();

//let D = {'2020-01-01':4,'2020-01-02':4,'2020-01-03':6,'2020-01-04':8,'2020-01-05':2,

//'2020-01-06':-6, '2020-01-07':2,'2020-01-08':-2};

let D = {'2020-01-01':6,

        '2020-01-04':12,

        '2020-01-05':14,

        '2020-01-06':2,

        '2020-01-07':4};

    let Day = new Array();

    Day[0]=0,Day[1]=0,Day[2]=0,Day[3]=0,Day[4]=0,Day[5]=0,Day[6]=0;

    for ( const [key , value] of Object.entries(D)){

    //console.log(key);

    //console.log(value);

    // Use `key` and `value'

    if( new Date(key).getDay()==0)

    {

        Day[0] = Day[0] + value;

       // console.log(Day[0]);

    }

    else if(new Date(key).getDay()==1)

    {

        Day[1] = Day[1] + value;

       // console.log(Day[1]);

    }

    else if(new Date(key).getDay()==2)

    {

        Day[2] = Day[2] + value;

        //console.log(Day[2]);

    }

    else if(new Date(key).getDay()==3)

    {

        Day[3] = Day[3] + value;

        //console.log(Day[3]);

    }

    else if(new Date(key).getDay()==4)

    {

        Day[4] = Day[4] + value;

        //console.log(Day[4]);

    }

    else if(new Date(key).getDay()==5)

    {

        Day[5] = Day[5] + value;

        //console.log(Day[5]);

    }

    else if(new Date(key).getDay()==6)

    {

        Day[6] = Day[6] + value;

        //console.log(Day[6]);

    }

}

if(Day[0]==0 || Day[1]==0)

{

    console.log('Please Enter dictionary which have at least Sunday and Monday.');

}

for(let i=2;i<6;i++)

{

    if(Day[i]==0 && Day[i+1]==0)

    {

        Day[i+1]= (Day[i-1]+(2 \* Day[i+2]))/3;

    }

    if(Day[i]==0)

    {

        Day[i]=(Day[i-1]+Day[i+1])/2;

    }

}

if(Day[6]==0)

{

    Day[6]=(Day[5]+Day[0])/2;

}

console.log(Day[0]);

console.log(Day[1]);

console.log(Day[2]);

console.log(Day[3]);

console.log(Day[4]);

console.log(Day[5]);

console.log(Day[6]);

let D1 = {'Mon':Day[1],'Tue':Day[2],'Wed':Day[3],'Thu':Day[4],'Fri':Day[5],

'Sat':Day[6], 'Sun':Day[0]};