Owner: Aman Sharma Date: 11/18/2020

#include<stdio.h>

#include<conio.h>

main()

{

int year, ref\_year=1900,leap\_year=0,diff;

int total=0,day;

int non\_leap\_year\_days;

int leap\_year\_days;

clrscr();

printf("ENTER THE YEAR = ");

scanf("%d",&year);

if(year%400==0)

{

printf("%d IS A LEAP YEAR ",year);

}

else if(year%100==0) //For Centurial years

{

printf("%d IS NOT A LEAP YEAR ",year);

}

else if(year%4==0)

{

printf("%d is A LEAP YEAR ",year);

}

else

{

printf("IT IS NOT A LEAP YEAR");

}

printf("\nENTER THE YEAR = ");

scanf("%d",&year);

diff=year - ref\_year;

printf("Difference=%d",diff);

while(ref\_year<year)

{

if(ref\_year%100==0)

{

if(ref\_year%400==0)

{

leap\_year++;

}

}

else

{

if(ref\_year%4==0)

{

leap\_year++;

}

}

ref\_year++;

}

non\_leap\_year\_days = (diff-leap\_year)\*365;

leap\_year\_days = leap\_year\*366;

total=non\_leap\_year\_days+leap\_year\_days;

day=total%7;

if(day==0)

printf("monday");

else if(day==1)

printf("tuesday");

else if(day==2)

printf("wednesday");

else if(day==3)

printf("thursday");

else if(day==4)

printf("friday");

else if(day==5)

printf("saturday");

else if(day==6)

printf("sunday");

else

printf("wrong data");

getch();

return 0;

}

//Dry Run Not the part of Code //

Output:

ENTER THE YEAR =2020

2020 IS A LEAP YEAR

ENTER THE YEAR=2006

SUNDAY