**23.Date validation and increment program using python looping?**

**Objective:**

* To validate and increment the date using python3.

**Process:**

* Get the input from user.
* Make all conditions using loop.
* Validate the date is real or not.
* Split the input date.
* Increment the date.

**Input:**

* Data set(csv file).

**Output:**

* Check the date is valid or not.

**Source code:**

#get innput from the user

date=input("Enter the date: ")

#split the input

dd,mm,yy=date.split('/')

dd=int(dd)

mm=int(mm)

yy=int(yy)

#define the conditions

if(mm==1 or mm==3 or mm==5 or mm==7 or mm==8 or mm==10 or mm==12):

max1=31

elif(mm==4 or mm==6 or mm==9 or mm==11):

max1=30

elif(yy%4==0 and yy%100!=0 or yy%400==0):

max1=29

else:

max1=28

if(mm<1 or mm>12):

print("Date is invalid.")

elif(dd<1 or dd>max1):

print("Date is invalid.")

elif(dd==max1 and mm!=12):

dd=1

mm=mm+1

print("The incremented date is: ",dd,mm,yy)

elif(dd==31 and mm==12):

dd=1

mm=1

yy=yy+1

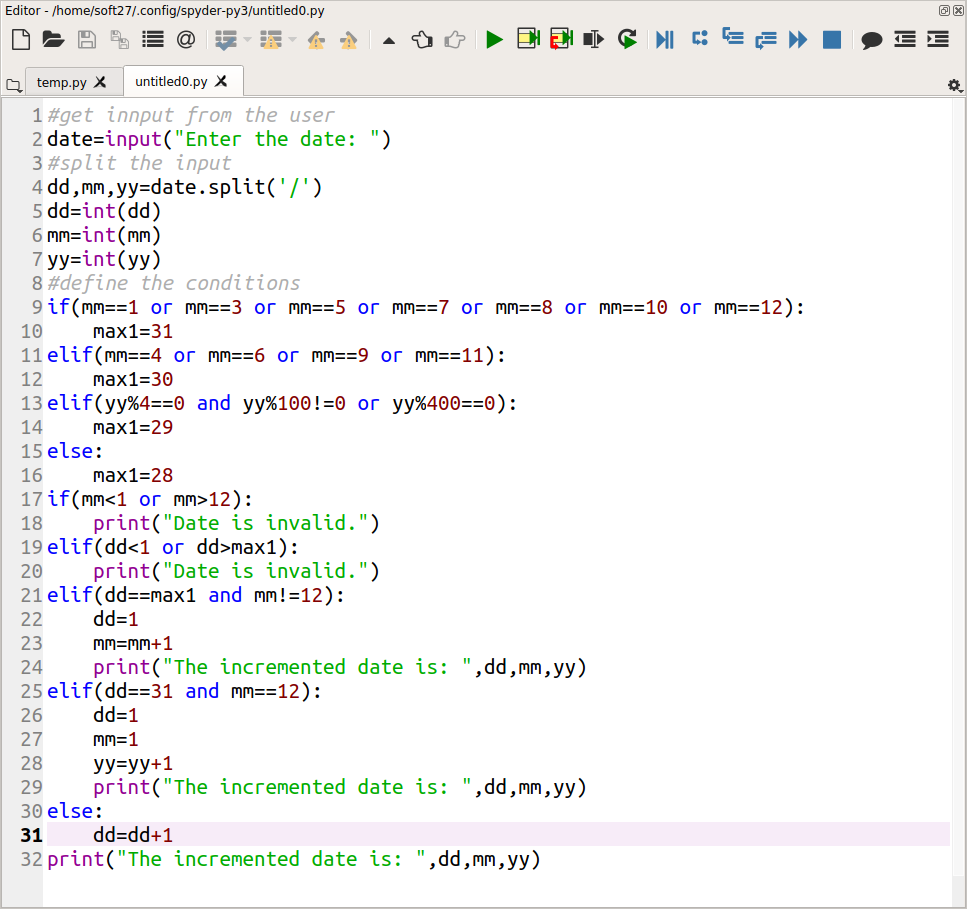
print("The incremented date is: ",dd,mm,yy)

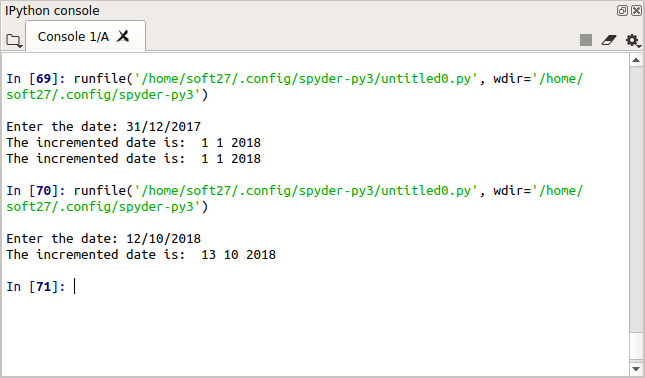
else:

dd=dd+1

print("The incremented date is: ",dd,mm,yy)

**Screen shot:**

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