Python date & time Conversion Cheat Sheet

%a	Sun	%p	AM / PM
%A	Sunday	%S	00 to 61 (Second)
%b	Jan	%U / %W	00 to 53 (Week number)
%B	January	%w	0 to 6 (Weekday)
%c	Sun Jan 1 00:00:00 2021	%x	Date
%d	01 to 31 (Day)	%X	Time
%H	00 to 23 (Hour)	%y	00 to 99 (Year)
%I	(01 to 12 (Hour)	%Y	2021 (Year)
%j	001 to 366 (Day of year)	%z	+0900 (Offset)
%m	01 to 12 (Month)	%Z	EDT / JST / WET etc (GMT)
%M	00 to 59 (Minute)		

Input Type	Input Example	Output Type	Output Example	Code
string	"08/04/2021"	DateTime	"2021-04-08 00:00:00"	`from datetime import datetime` `datetime.strptime("08/04/2021", "%d/%m/%Y")`
Datetime	"2021-04-08 00:00:00"	string	"08/04/2021"	`datetime.strftime(dt_object, "%d/%m/%Y")`
string	"08/04/2021"	float (UTC timestamp in seconds)	1617836400.0	`dt_object = datetime.strptime("08/04/2021", "%d/%m/%Y")` `datetime.timestamp(dt_object)`
string	"08/04/2021"	string	"2021-04-08"	`datetime.strptime("08/04/2021", "%d/%m/%Y").strftime("%Y-%m-%d")`
float (UTC timestamp in seconds)	1617836400.0	DateTime	"2021-04-08 00:00:00"	`datetime.fromtimestamp(1617836400.0)`
float (UTC timestamp in seconds)	1617836400.0	string	"08/04/2021"	`datetime.fromtimestamp(1617836400.0).strftime("%d/%m/%Y")`

string	NewYork timezone "08-04-2021 08:33:00-0400"	Datetime	Tokyo timezone "2021-04-08 21:33:00+09:00"	`from pytz import timezone`
				`ny_time = datetime.strptime("08-04-2021 08:33:00-04:00", "%d-%m-%Y %H:%M:%S%f%z")`
				`tokyo_time = ny_time.astimezone(timezone('Asia/Tokyo'))`

string	"20:00"	string	"08:00 PM"	`datetime.strptime("20:00", "%H:%M").strftime("%I:%M %p")`
string	"08:00 PM"	string	"20:00"	`datetime.strptime("08:00 PM", "%I:%M %p").strftime("%H:%M")`