1. Python program to find difference between current time and given time

import datetime

def time\_difference(given\_time):

current\_time = datetime.datetime.now().time()

given\_time = datetime.datetime.strptime(given\_time, "%H:%M:%S").time()

diff = datetime.datetime.combine(datetime.date.today(), current\_time) - datetime.datetime.combine(datetime.date.today(), given\_time)

return diff

# Example usage

given\_time = "10:30:00"

time\_diff = time\_difference(given\_time)

print(f"Difference: {time\_diff}")

1. Python Program to Create a Lap Timer

import time

def lap\_timer():

lap\_times = []

start\_time = time.time()

while True:

input("Press Enter to record lap time, or 'q' to quit: ")

lap\_time = time.time() - start\_time

lap\_times.append(lap\_time)

print(f"Lap {len(lap\_times)}: {lap\_time} seconds")

if input("Continue? (y/n): ").lower() == 'n':

break

return lap\_times

# Example usage

lap\_times = lap\_timer()

print(f"Lap times: {lap\_times}")

1. Convert date string to timestamp in Python

import datetime

def date\_to\_timestamp(date\_string, format="%Y-%m-%d"):

timestamp = datetime.datetime.strptime(date\_string, format).timestamp()

return int(timestamp)

# Example usage

date\_string = "2023-06-17"

timestamp = date\_to\_timestamp(date\_string)

print(f"Timestamp: {timestamp}")

1. How to convert timestamp string to datetime object in Python?

import datetime

def timestamp\_to\_datetime(timestamp\_string):

timestamp = float(timestamp\_string)

dt\_object = datetime.datetime.fromtimestamp(timestamp)

return dt\_object

# Example usage

timestamp\_string = "1623897600.0"

datetime\_obj = timestamp\_to\_datetime(timestamp\_string)

print(f"Datetime Object: {datetime\_obj}")

1. Find number of times every day occurs in a Year

import datetime

def count\_days\_in\_year(year):

days\_count = {}

start\_date = datetime.date(year, 1, 1)

end\_date = datetime.date(year, 12, 31)

delta = datetime.timedelta(days=1)

current\_date = start\_date

while current\_date <= end\_date:

day\_name = current\_date.strftime("%A")

if day\_name not in days\_count:

days\_count[day\_name] = 1

else:

days\_count[day\_name] += 1

current\_date += delta

return days\_count

# Example usage

year = 2023

days\_count = count\_days\_in\_year(year)

for day, count in days\_count.items():

print(f"{day}: {count} times")

1. Python Program to Check if String Contain Only Defined Characters using Regex
2. Python program to Count Uppercase, Lowercase, special character and numeric values using Regex
3. Python Program to find the most occurring number in a string using Regex
4. Python Regex to extract maximum numeric value from a string
5. Python Program to put spaces between words starting with capital letters using Regex