# PS NO. 99003188

# Project: Alarm Clock (without oops concept) PS NO. 99003188

# importing date and time model

import datetime

# Enter the time in HH:MM format 12 hour clock

print("Enter the time in 12 hours format(HH:MM) ")

alarm\_hour = int(input("Enter HH: "))

# The hour must be between 1 and 12

if (alarm\_hour > 13 or alarm\_hour < 1):

print("please enter a valid time")

exit()

alarm\_minute = int(input("Enter MM: "))

# The minute must be between 0 and 60

if (alarm\_minute > 61 or alarm\_minute < 0):

print("please enter a valid time")

exit()

# The time convention is am or pm

alarm\_am\_pm = str(input("am or pm: "))

if (alarm\_am\_pm != "am" and alarm\_am\_pm != "pm"):

print("please enter valid details")

exit()

if (alarm\_am\_pm == 'pm'):

alarm\_hour = alarm\_hour+12

# Creating a function for functioning of the clock,

# checks the time and hour

def alarm\_clock():

while(1):

if (alarm\_hour == datetime.datetime.now().hour and

alarm\_minute == datetime.datetime.now().minute):

print("wake up now")

break

# calling alarm\_call function

alarm\_clock()

# defining a function named snooze

def alarm\_snooze():

global alarm\_minute, alarm\_hour, alarm\_am\_pm

alarm\_minute1 = alarm\_minute

alarm\_hour1 = alarm\_hour

miss\_var1 = str(input("Enter Y to snooze "))

if (miss\_var1 == "Y"):

alarm\_snooze\_min = int(input("Enter the snooze time in MM format: "))

if (alarm\_snooze\_min > 31 or alarm\_snooze\_min < 0):

print("Enter a valid time: ")

exit()

alarm\_minute1 = alarm\_minute1+alarm\_snooze\_min

if(alarm\_minute1 > 61):

alarm\_hour1 = alarmhour1+1

if (alarm\_hour1 > 12):

alarm\_hour1 = 1

alarm\_minute1 = alarm\_minute1+alarm\_snooze\_min-60

while(1):

if (alarm\_hour1 == datetime.datetime.now().hour and

alarm\_minute1 == datetime.datetime.now().minute):

print("wake up now")

break

# calling a function

alarm\_snooze()

Github link: <https://github.com/99003188/pythonminiproject>

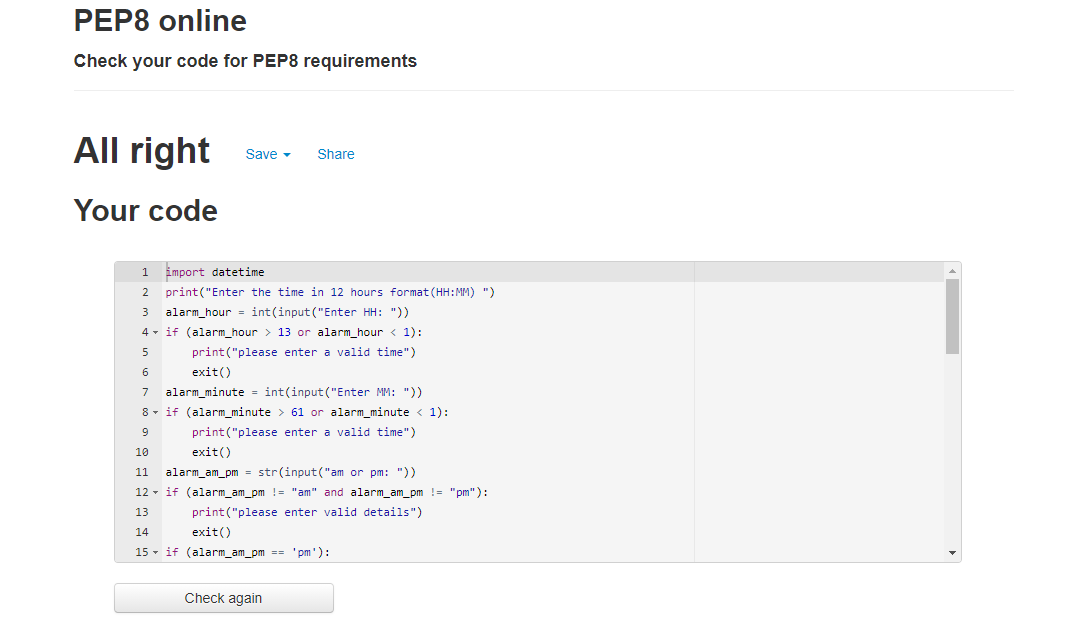
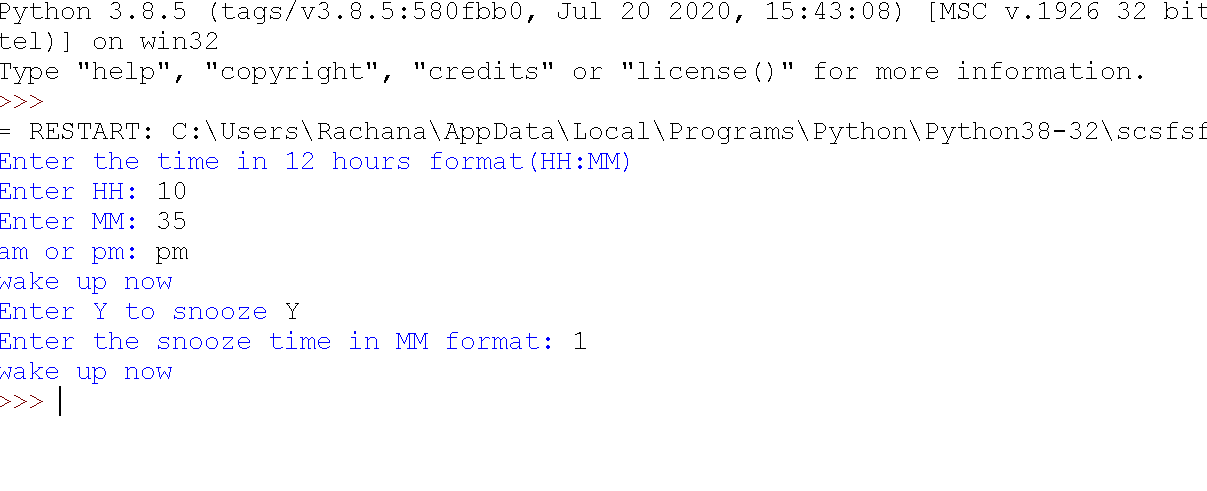


Fig1: Code quality

Fig2: Output of the project