**ASSIGNMENT\_4 [21108048: ADITYA ANAND]**

#Q1

a=int(input("Enter your marks: "))

if a >= 80:

print("Your grade is 'A'.")

elif a >= 60:

print("Your grade is 'B'.")

elif a >= 50:

print("Your grade is 'C'.")

elif a >= 45:

print("Your grade is 'D'.")

elif a >= 25:

print("Your grade is 'E'.")

else:

print("Your grade is 'F'.")

#Q2

a=int(input("Enter the year: "))

if a%400 == 0:

print(a, "is a leap year.")

elif a%4 == 0:

print(a, "is a leap year.")

else:

print(a, "is not a leap year.")

#Q3

import random

i=0

while i<10:

num1=random.randint(0,10)

num2=random.randint(0,10)

print("Solve {} \* {}=".format(num1,num2))

ans=int(input("Enter the answer: "))

if ans==num1\*num2:

print("Right!")

else:

print("Wrong!, the answer is" , num1\*num2)

i+=1

#Q4

for candies in range(200):

if candies % 5== 2:

if candies % 6== 3:

if candies % 7== 2:

print(candies, "candies are in the bowl!")