# program 1 - GRADES

p1 = float(input("enter percentage:"))

if p1>90:print('GRADE A')

elif p1 >80 and p1<=90: print('GRADE B')

elif p1 >=60 and p1 <= 80:print('GRADE C')

else:

    print("GRADE D")

# program 2 - MONTHS

m = int(input("enter the number of month"))

if m == 1 :print('the entered month is january and it has 31 days ')

elif m == 2 :print('the entered month is february and it has 28 days ')

elif m == 3 :print('the entered month is march and it has 31 days ')

elif m == 4 :print('the entered month is april and it has 30 days ')

elif m == 5 :print('the entered month is may and it has 31 days ')

elif m == 6 :print('the entered month is june and it has 30 days ')

elif m == 7 :print('the entered month is july and it has 31 days ')

elif m == 8 :print('the entered month is august and it has 31 days ')

elif m == 9 :print('the entered month is september and it has 30 days ')

elif m == 10 :print('the entered month is october and it has 31 days ')

elif m == 11:print('the entered month is november and it has 30 days ')

elif m == 12:print('the entered month is december and it has 31 days ')

else:

    print("Enter between only 1 and 12")

# program 3 - WEEK

w = int(input("enter the number of week"))

if w == 1 :print('ITS SUNDAY')

elif w== 2 :print('ITS MONDAY')

elif w == 3 :print('ITS TUESDAY')

elif w == 4 :print('ITS WEDNESDAY')

elif w == 5 :print('ITS THURSDAY')

elif w == 6 :print('ITS FRIDAY')

elif w == 7 :print('ITS SATURDAY')

else:

    print("Enter between only 1 and 7")

# program 4 - GRADES

p2 = float(input("enter percentage:"))

if p2 > 80:print('GRADE A+')

elif p2 <=80 and p2 > 60: print('GRADE A')

elif p2 > 50 and p2 <= 60:print('GRADE B+')

elif p2 > 45 and p2 <= 50:print('GRADE B')

elif p2 > 25 and p2 <= 45:print('GRADE C')

else:

    print("GRADE D")

# program 5 - divisible by 5 prints HELLO

n = int(input("enter number:"))

if n % 5 == 0 :print('HELLO')

else:

    print("Bye")

# program 6 - GRADES

p = float(input("enter percentage:"))

if p >= 65 and p <=100:print('Excellent')

elif p < 65 and p >= 55: print('Good')

elif p < 55 and p >= 40:print('Fair')

elif p < 40:print('Failed')

else:

    print("Enter only Percentage Between 1 to 100")

# program 8 - numbers and operators

a = int(input("enter first number : "))

b = int(input("enter second number : "))

c = input("operator : ")

if c == '+' :

    d = a + b

    print('Addition of numbers is :', d)

elif c == '-' :

    d = a - b

    print('Subtraction of numbers is :', d)

elif c == '\*' :

    d = a \* b

    print('Multiplication of numbers is :', d)

elif c == '/' :

    d = a / b

    print('Division of numbers is :', d)

elif c == '//' :

    d = a // b

    print('Floor Division of numbers is :', d)

elif c == '%' :

    d = a % b

    print('Modulo of numbers is :', d)

elif c == '\*\*' :

    d = a \*\* b

    print('power of numbers is :', d)

else:

    print('Invalid operator')

# program 9 - library

d = int(input("enter the number of days :"))

if d <= 5 :

    c= d \* 2

    print('Rent Amount is :', c)

elif d >= 6 and d <= 10:

    c= d \* 3

    print('Rent Amount is :', c)

elif d >= 11 and d <= 15:

    c= d \* 4

    print('Rent Amount is :', c)

else:

    c= d \* 5

    print('Rent Amount is :', c)