#NUMBER 1

# 0<250000 Nil PAYE 250000 < 350000 PAYE is 10% of the amount that exceeds 250,000 350,0000 - 450,000 PAYE is 10,000 + 20% of the amount that exceeds 350,000 and the rest pay PAYE of 30,000 + 30% of the amount that exceeds 450,000 Develop a PAYE calculator

def paye(amount):#defining the function with amount as the parameter

    if amount<250000:#if the amount is less than 250000

        return 0#returning 0

    elif 250000<amount<350000:#if the amount is between 250000 and 350000

        return amount\*0.1#returning the amount multiplied by 0.1

    elif 350000<amount<450000:#if the amount is between 350000 and 450000

        return 25000+amount\*0.2#returning 25000 plus the amount multiplied by 0.2

    else:

        return 35000+amount\*0.3#returning 35000 plus the amount multiplied by 0.3

def main():

    amount=eval(input("Enter the amount"))

    print("The paye is ",paye(amount))#printing the paye

main()

#Write a function that extracts the first name from a full name

def first\_name(name):#defining the function with name as the parameter

    return name[0:name.find(" ")]#returning the first name

def main():

    name=input("Enter your ful name ")#asking the user to enter the name

    print("the first name is ",first\_name(name))

main()

#QESTION 3

def celsius\_to\_fahrenheit(celsius):#defining the function with celsius as the parameter

    return celsius\*1.8+32#returning the fahrenheit value

def main():

    celsius=eval(input("Enter the celsius value"))#asking the user to enter the celsius value

    print("The fahrenheit value is ",celsius\_to\_fahrenheit(celsius))#printing the fahrenheit value

main()

#NUMBER 4

def invowel(word):

    #vowels="aeiouAEIOU"

    if 'a'in word and "e" in word and 'i' in word and 'u' in word and 'o' in word:

        print("the word has every the vowels")

    elif 'A'in word and "E" in word and 'I' in word and 'U' in word and 'O' in word:

        print("the word has every the vowels")

    else:

        print("the word has some vowels")

def main():

    word=input("Enter the word")

    invowel(word)

main()