

```

# PROBLEM 4.7
amount = eval(input("Enter an amount: "))
remainingAmount = int(amount * 100)
numberOfOneDollars = remainingAmount // 100
string = "Your amount " + str(amount) + " consists of\n\t"
if numberOfOneDollars > 0:
    string += str(numberOfOneDollars) + " dollars\n\t"
remainingAmount = remainingAmount % 100
numberOfQuarters = remainingAmount // 25
if numberOfQuarters > 0:
    string += str(numberOfQuarters) + " quarter"
    if numberOfQuarters > 1:
        string += "s"
    string += "\n\t"
remainingAmount = remainingAmount % 25
numberOfDimes = remainingAmount // 10
if numberOfDimes > 0:
    string += str(numberOfDimes) + " dime"
    if numberOfDimes > 1:
        string += "s"
    string += "\n\t"
remainingAmount = remainingAmount % 10
numberOfNickels = remainingAmount // 5
if numberOfNickels > 0:
    string += str(numberOfNickels) + " nickel"
    if numberOfNickels > 1:
        string += "s"
    string += "\n\t"
remainingAmount = remainingAmount % 5
numberOfPennies = remainingAmount
if numberOfPennies > 0:
    string += str(numberOfPennies) + " penn"
    if numberOfPennies == 1:
        str += "y"
    if numberOfPennies > 1:
        string += "ies"
    string += "\n\t"
print(string)

```

```

= RESTART: C:/Users/Caden
Roberts/AppData/Local/Programs/Python/Python311/Chapter 1.py
Enter an amount: 46.55
Your amount 46.55 consists of
    46 dollars
     2 quarters
     1 nickel

```

```

# PROBLEM 4.11
month = eval(input("Input a month(1-12): "))
name = ""
days = 0
if month==1:
    name = "January"
if month==2:

```

```

        name = "February"
    if month==3:
        name = "March"
    if month==4:
        name = "April"
    if month==5:
        name = "May"
    if month==6:
        name = "June"
    if month==7:
        name = "July"
    if month==8:
        name = "August"
    if month==9:
        name = "September"
    if month==10:
        name = "October"
    if month==11:
        name = "November"
    if month==12:
        name = "December"
    if name=="":
        print("Invalid month entry.")
    else:
        year = eval(input("Input a year: "))
        if month % 2 != 0:
            days = 31
        if month % 2 == 0 and month != 2:
            days = 30
        if month == 2 and (year % 100 == 0 and year % 400 == 0) or (year % 4
== 0 and year % 100 != 0):
            days = 29
        print(name + " " + str(year) + " has " + str(days) + " days.")
= RESTART: C:/Users/Caden
Roberts/AppData/Local/Programs/Python/Python311/Chapter 1.py
Input a month(1-12): 12
Input a year: 2000
December 2000 has 30 days.

```

PROBLEM # 4.14

```

integer = eval(input("Enter an integer: "))
print("Is " + str(integer) + " divisible by 5 and 6? " +
str(integer%30==0))
print("Is " + str(integer) + " divisible by 5 or 6? " + str(integer%5==0
or integer%6==0))
print("Is " + str(integer) + " divisible by 5 or 6, but not both? " +
str((integer%5==0 or integer%6==0) and integer%30!=0))
= RESTART: C:/Users/Caden
Roberts/AppData/Local/Programs/Python/Python311/Chapter 1.py
Enter an integer: 10
Is 10 divisible by 5 and 6? False
Is 10 divisible by 5 or 6? True
Is 10 divisible by 5 or 6, but not both? True

```

