Placement Session Questions

Q1: write a Python program for convering a given integer(seconds) in Hour, Minutes, and Seoconds.

In [1]:
```
n=int(input("Enter the integer : "))
H=n//3600
M=(n%3600)//60
S=(n%3600)%60
print(f"H:M:S = {H}:{M}:{S}")
```

```
Enter the integer : 25300
Entered integer can be written in Hours, Minutes, and Seonds as follows:
 H:M:S = 7:1:40
```

Q2: Write a Ptyhon program to convert a given integer(days) in years, months, and days

In [3]:
```
n=int(input("Enter the integer : "))
Y=n//365
M=(n%365)//30
D=(n%365)%30
print(f"Year(s):{Y}\n Month(s):{M}\n Day(s):{D}")
```

```
Enter the integer : 2353
Entered integer can be written in Year, Months, and Days as follows:
 Year(s):6
 Month(s):5
 Day(s):13
```

Q3: Write a Python program that reads 5 numbers and print the sum of all odd number among them.

In [5]:
```
Sum=0
for i in range(0,5):
    num=int(input(f"Enter number {i+1} : "))
    if num%2!=0:
        Sum=Sum+num

print(f"Sum of all odd numbers among the numbers is : {Sum}")
```

```
Enter number 1 : 25
Enter number 2 : 68
Enter number 3 : 45
Enter number 4 : 12
Enter number 5 : 14
Sum of all odd numbers among the numbers you have entered is : 70
```

Q4: Write a python program that reads two integers and check whether they are multiplied or not.

In [7]:
```
n1=int(input("Enter first number : "))
n2=int(input("Enter second number : "))
if n1>n2:
    if n1%n2==0:
        print("Multiplied")
    else:
        print("Not Multiplied")
else:
    if n2%n1==0:
```

```
        print("Multiplied")
    else:
        print("Not Multiplied")
```

```
Enter first number : 25
Enter second number : 5
Multiplied
```

Q5: Write a python program that reads an integer from 1 to 12 and print the month name in English for entered integer.

In [ ]:
```
n=int(input("Enter an integer : "))
if n<13 and n>0:
    if n==1:
        print("January")
    elif n==2:
        print("February")
    elif n==3:
        print("March")
    elif n==4:
        print("April")
    elif n==5:
        print("May")
    elif n==6:
        print("June")
    elif n==7:
        print("July")
    elif n==8:
        print("August")
    elif n==9:
        print("September")
    elif n==10:
        print("October")
    elif n==11:
        print("November")
    elif n==12:
        print("December")
else:
    print("Wrong Input")
```

Q6:Write a Python program that read 5 number and counts the number of positive number and negative numbers.

In [14]:
```
p=0
n=0
for i in range(0,5):
    num=int(input(f"Enter number {i+1} : "))
    if num>0:
        p=p+1
    elif num<0:
        n=n+1
    else:
        pass
print("Number of positive integers  : ",p)
print("Number of negative integers  : ",p)
```

```
Enter number 1 : 5
Enter number 2 : 2
Enter number 3 : -5
Enter number 4 : -7
Enter number 5 : 6
Number of positive integers  :  3
Number of negative integers  :  3
```

Q7: Write a python program that reads 5 integers and count the number of positive integers and print the avg of positive integeres.

In [6]:
```
Sum=0
n=0
for i in range(0,5):
    num=int(input(f"Enter number {i+1} : "))
    if num>0:
        n=n+1
        Sum=Sum+num
print("Number of positive integers  : ",n)
print("The avg of these positive numbers is  : ",format(Sum/n,".2f"))
```

```
Enter number 1 : 25
Enter number 2 : -85
Enter number 3 : 125
Enter number 4 : 26
Enter number 5 : 45
Number of positive integers entered by you are :  4
The avg of these positive numbers is  :  55.25
```

Q8: Write a program that reads 5 numbers and prints sum of odd among them.

In [ ]:
```
Sum=0
for i in range(0,5):
    num=int(input(f"Enter number {i+1} : "))
    if num%2!=0:
        Sum=Sum+num

print(f"Sum of all odd numbers among the numbers is : {Sum}")
```

Q9:Write a Python program that convert Centigrade to Fahrenheit.

In [12]:
```
c=int(input("Enter a temparature in centigrade: "))
F=((9*c)/5)+32
F=format(F,"0.0f")
print(f"The temparature entered in Fahrenheit is : {F}° F")
```

```
Enter a temparature in centigrade: 90
The temparature entered in Fahrenheit is : 194° F
```

Q10:Write a Python program that converts kilometer per hours to mile per hour

In [5]:
```
K=int(input("Enter KM/H: "))
M=K*0.6213712
print(f"The KM/H in M/H : {M}")
```

```
Enter KM/H: 15
The KM/H in M/H : 9.320568
```

Q11: Write a Python Program that reads two integers.Print True if one of them is 30 or there sum is 30 else print False.

In [8]:
```
n1=int(input("Enter first number : "))
n2=int(input("Enter second number : "))
if n1==30 or n2==30:
    print("True")
elif (n1+n2)==30:
    print("True")
```

```
else:
    print("False")
```

```
Enter first number : 25
Enter second number : 5
True
```

Q12:Write a Python program to print Quotient and Remainder of a Division.

In [13]:
```
Dividend=int(input("Input Numerator : "))
Divisor=int(input("Input Denominator : "))
Q=(Dividend//Divisor)
R=(Dividend%Divisor)
print("Quotient is : ",Q)
print("Remainder is : ",R )
```

```
Input Numerator : 2500
Input Denominator : 235
Quotient is :  10
Remainder is :  150
```