Q.1#wap convert the time entered in hh,min,sec into sec

```
sec=int(input("Enter time in second:"))
hr=sec//3600
remaining_sec=sec%60
min=sec%60
print(f'hours are:{hr} \nminutes are:{min} \nseconds are:{remaining_sec}')
```

Q.2#wap convert temp from celsius to fahrenheit(c/5=(f-32)/9)

```
cel=int(input("Enter temprrature in celsius:"))
fahrenheit=(9*cel/5)+32
print(f'celsius to fahrenheit is:{fahrenheit}')
```

Q.3#wap to convert distant given in feet and inches into meter and centimeter

```
feet=int(input("Enter value of feet:"))
inch=int(input("Enter value of inches:"))
meter=feet*0.305
centimeter=inch*2.54
print(f'feet in meter is:{meter} \ninch in centimeter is:{centimeter}')
```

Q.4#WAP to calculate area of triangle and rectangle

```
b=int(input("Enter base of triangle:"))
h=int(input("Enter height of triangle:"))
area=1/2*b*h

ln=int(input("Enter length of rectangle:"))
br=int(input("Enter breadth of rectangle:"))
rec_area=ln*br
print(f'Area Of Triangle: {area} \nArea of Rectangle:{rec_area}')
```

Q.5#wap calculate selling price of book based on cost price and discount

```
cost_price=int(input("Enter cost price of book:"))
discount=int(input("Enter discount of book:"))
selling_price=cost_price-discount
print(f'selling price of book is:{selling_price}')
```

Q.6#wap to calculate total salary of employee based on basic ,da=10% of basic,ta=12% of basic,hra=15% of basic

```
basic_salary=int(input("Enter basic salary:"))
da=basic_salary*10/100
#print(da)
ta=basic_salary*12/100
#print(ta)
hra=basic_salary*15/100
#print(hra)
total_salary=basic_salary+da+ta+hra
print(f'total salary of employee: {total_salary}')
```

Q.7#WAP Find sum of three-digit number.

```
num=int(input("Enter three digit number:"))
d1=num%10
#print(d1)
num=num//10
#print(num)
d2=num%10
#print(d2)
num=num//10
#print(num)
d3=num%10
#print(d3)
sum=d1+d2+d3
print(f'Sum of three digit number is:{sum}')
```

Q.8#swapping of 2 numbers using third variable

```
num1=int(input("Enter number 1:"))
num2=int(input("Enter number 2:"))
num3=0
print(f'Before swapping- num1:{num1} & num2:{num2}')
num3=num2
num2=num1
num1=num3
print(f'After swapping- num1:{num1} & num2:{num2}')
```

Q.9#swapping of two numbers without using third variable

```
num1=int(input("Enter number 1:"))
```

```
num2=int(input("Enter number 2:"))
print(f'Before swapping- num1:{num1} & num2:{num2}')
num2=num2+num1
num1=num2-num1
num2=num2-num1
print(f'After swapping- num1:{num1} & num2:{num2}')
```

Q.10#reverse three digit number

```
num=789
d1=num%10
print(d1)
num=num//10
print(num)
d2=num%10
print(d2)
num=num//10
print(num)
d3=num%10
print(d3)
reversed_digit=(d1*100)+(d2*10)+d3
print(f'reversed digit: {reversed_digit}')
```

Q.11#wap to accept an integer amount from user and tell minimum number of notes needed for representing that amount

```
num=int(input("Enter integer amount:"))
twothousand_notes=num//2000
num=num%2000 #for  remaining amount
fivehundred_notes=num//500
num=num%500
twohundred_notes=num//200
num=num%200
onehundred_notes=num//100
num=num&100
print(f'twothousand notes are:{twothousand_notes} \nfivehundred notes
are:{fivehundred_notes} \ntwohundred notes are:{twohundred_notes} \nonehundred notes
are:{onehundred_notes}')
```