Assignment No.2

Q1.

```
#find sum of three digit number
num=int(input("Enter a 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:{sum}')
```

Q2.

```
#WAP to calculate area of triangle and rectangle
length=int(input("Enter length of rectangle:"))
breadth=int(input("Enter breadth of rectangle: "))
area_of_rectangle=length*breadth
print(f'Area of rectangle:{area_of_rectangle}')

base=int(input("Enter base of triangle:"))
height=int(input("Enter height of triangle:"))
area_of_triangle=(base*height)/2
print(f'Area of triangle:{area_of_triangle}')
```

Q3.

```
#WAP to swap two numbers using third variable
var1=int(input("Enter var1:"))
var2=int(input("Enter var2:"))
var3=0
print(f'Before Swapping:{var1} , {var2}')
var3=var1
var1=var2
var2=var3
print(f'After Swapping:{var1} , {var2}')
```

Q4.

```
#WAP swap two numbers without using third variable
var1=int(input("Enter var1:"))
var2=int(input("Enter var2:"))
print(f'Before Swapping:{var1} , {var2}')
var1 , var2 = var2 , var1
print(f'After Swapping:{var1} , {var2}')
```

Q5.

```
#WAP reversed digit
num=int(input("Enter a number:"))
d1=num%10
print(d1)
num=num//10
#print(num)
d2=num%10
print(d2)
num=num//10
d3=num%10
```

```
print(d3)
reversed_digit=(d1*100)+(d2*10)+(d3)
print(f'Reversed digit is:{reversed_digit}')
```

Q6.

```
#WAP to calculate total salary of employee based on basic,da=10% of basic,ta=12% of basic,hra=15% of basic
employee_salary=int(input("Enter basic salary of employee:"))
da=employee_salary*10/100
ta=employee_salary*12/100
hra=employee_salary*15/100
Total_salary=employee_salary+da+ta+hra
print(f'Total salary of employee is:{Total_salary}')
```

Q7.

```
#WAP to calculate selling price of book based on cost price and discount
cost_price=int(input("Enter price of book:"))
discount=int(input("Enter discount on book:"))
selling_price=cost_price-discount
print(f'Selling price of book is:{selling_price}')
```

Q8.

```
#convert time entered in hh,min and sec into seconds
sec=int(input("Enter seconds:"))
sec=sec%(24*3600)
#print(sec)
hour=sec//3600
#print(hour)
minutes=sec%60
#print(minutes)
print(f'Hour:{hour} , Minutes:{minutes} , Seconds:{sec}')
```

Q9.

```
#convert temp for celcius to fahrenheit (c/5=(f-32)/9)
celcius=int(input("Enter tempreature in celcius:"))
fahrenheit=(9*celcius/5)+32
print(f'Celcius to fahrenheit is:{fahrenheit}')
```

Q10.

```
#convert distance given feet and inches into meter and centimeter
feet=int(input("Enter value of feet:"))
inch=int(input("Enter value of inch:"))
meter=feet*0.305
centimeter=inch*2.54
print(f'Feet in meter is:{meter} , Inch in centimeter is:{centimeter}')
```

Q11.

```
#WAP to accept in integer amount form user and tell minimum number of notes needed for representing that amount
Amount=int(input("Enter inetger amount:"))
print(Amount)
two_thousand=Amount//2000
Amount=Amount%2000
print(two_thousand)
five_hundred=Amount//500
Amount=Amount%500
print(five_hundred)
two_hundred=Amount//200
Amount=Amount%200
print(two_hundred)
hundred=Amount//100
Amount=Amount%100
```

```
print(hundred)
fifty=Amount//50
Amount=Amount%50
print(fifty)
twenty=Amount//20
Amount=Amount%20
print(twenty)
ten=Amount//10
Amount=Amount%10
print(ten)
total_notes=two_thousand+five_hundred+two_hundred+hundred+fifty+twenty+ten
print(total_notes)
```