Q.1# Wap to calculate the percentage of student based on marks of any 5 subjects.

```
m1=int(input("Enter marks of sub m1:"))
m2=int(input("Enter marks of sub m2:"))
m3=int(input("Enter marks of sub m3:"))
m4=int(input("Enter marks of sub m4:"))
m5=int(input("Enter marks of sub m5:"))
total=m1+m2+m3+m4+m5
print(total)
percentage=(total/500)*100
print(f'percentage_of_student is: {percentage}%')
```

Q.2# WAP to calculate area of rectangle based on length and breadth.

```
l= int(input("Enter value of l:"))
b=int(input("Enter value of b:") )
area=l*b
print(f"Area_of_Rectangle: {area}")
```

Q.3# wap to find quotient and remainder of two numbers.

```
num1=int(input("Enter number 1:"))
num2=int(input("Enter number 2:"))
quotient=num1//num2
remainder=num1%num2
print(f'Quotient is:{quotient} \nRemainder is:{remainder}')
```

Q.4# wap to enter P,T,R and calculate simple interest

```
p=int(input("Enter principle amount:"))
t=int(input("Enter time period:"))
r=int(input("Enter rate:"))
simple_interest=(p*t*r)/100
print(f'Simple_Interest_Amount:{simple_interest}')
```

Q.5# wap to enter P,T,R and calculate compound interest

```
p=int(input("Enter principle amount:"))
t=int(input("Enter time period:"))
r=int(input("Enter rate:"))
compound_interest=p*(1+r/100)**t
print(f'Compound_Interest_Amount:{compound_interest}')
```

Q.6# wap to input two angles from user and find third angle of the triangle

```
a1=int(input("Enter first angle of the triangle:"))
a2=int(input("Enter second angle of the triangle:"))
third_angle=180-(a1+a2)
print(f'Third_Angle_Of_Triangle: {third_angle}')
```

Q.7# wap to find the roots of a quadratic equation

```
a=int(input("Enter value of a:"))
b=int(input("Enter value of b:"))
c=int(input("Enter value of c:"))
root1=(-b+(((b**2)-4*(a)*(c))**0.5)/(2*a))
root2=(-b-((((b**2)-4*(a)*c))**0.5)/(2*a))
print(f'Both values of root: {root1} & {root2}')
```

Q.8# wap to convert days into years,weeks and days

```
day=int(input("Enter value of days:"))
year=day//365
remaining_day=day%365
week=remaining_day//7
print(f'years are:{year} \nweeks are:{week} \ndays are:{remaining_day}')
```

Q.9# WAP to enter base and height of a triangle and finds it's area.

```
b=int(input("Enter base of triangle:"))
h=int(input("Enter height of triangle:"))
area=1/2*b*h
print(f'Area_Of_Triangle: {area}')
```

Q.10# WAP to calculate area of equilateral triangle.

```
a=float(input("Enter side of equilateral triangle:"))
area=(3)**0.5/4*a**2
print(f'Area_of_Equilateral_Triangle: {area}')
```

Q.11# wap to find area and circumference of circle

```
r=float(input("Enter value od radius:"))
area=3.14*r**2
```

```
circumference=2*3.14*r
print(f'Area_Of_Circle:{area} \nCircumference_Of_Circle:{circumference}')
```

Q.12# wap to find volume of sphere.

```
r=float(input("Enter value of radius of sphere:"))
volume=4/3*3.14*r**3
print(f'Volume_Of_Sphere: {volume}')
```