**1.**-**Convert the time entered in hh,min and sec into seconds.**

**hh = int(input("Enter hours in time : "))**

**mm = int(input("Enter minutes in time : "))**

**ss = int(input("Enter seconds in time : "))**

**hours\_in\_minutes = hh \* 60**

**minutes\_in\_seconds = mm \* 60**

**res = (hours\_in\_minutes \* 60) + minutes\_in\_seconds + ss**

**print(hh,":",mm,":",ss,"in seconds is",res)**

**2. Convert temp from Celsius to Fahrenheit. (C/5 = (F-32)/9)**

**celsius = int(input("Enter temperature in Celsius: "))**

**fahrenheit = ((9/5) \* celsius) + 32**

**print(celsius,"C =",fahrenheit,"F")**

**3. Convert distance given in feet and inches into meter and centimeter.**

**feet = int(input("Enter distance in feet: "))**

**inches = int(input("Enter distance in inches: "))**

**feet\_to\_inches = feet \* 12**

**all\_inches = feet\_to\_inches + inches**

**cm\_res = all\_inches \* 2.54**

**m\_res = cm\_res / 100**

**print(feet,"'",inches,'" to centimeter =',cm\_res)**

**print(feet,"'",inches,'" to meter =',m\_res)**

**4. WAP to calculate area of triangle and rectangle**

**base = int(input("Enter base for triangle: "))**

**height = int(input("Enter height for triangle: "))**

**length = int(input("Enter length of rectangle: "))**

**breadth = int(input("Enter breadth of rectangle: "))**

**tri\_area = 0.5 \* (base \* height)**

**print("Area of triangle = ", tri\_area)**

**rect\_area = length \* breadth**

**print("Area of retangle = ", rect\_area)**

**5. WAP to calculate selling price of book based on cost price and discount.**

**cost\_price = int(input("Enter cost price: "))**

**discount = int(input("Enter discount: "))**

**discounted\_price = cost\_price \* (discount / 100)**

**selling\_price = cost\_price - discounted\_price**

**print("Selling price =",selling\_price)**

**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 amount : "))**

**da = basic\_salary \* (10 / 100)**

**ta = basic\_salary \* (12 / 100)**

**hra = basic\_salary \* (15 / 100)**

**total\_salary = basic\_salary + da + ta + hra**

**print("Gross Salary = ", total\_salary)**

**7. Find the sum of three-digit number.**

**num = int(input("Enter three-digit number: "))**

**rem1 = num % 10 # 143 % 10 = 3**

**quo1 = num // 10 # 143 // 10 = 14**

**rem2 = quo1 % 10 # 14 % 10 = 4**

**quo2 = quo1 // 10 # 14 // 10 = 1**

**sum\_of\_num = rem1 + rem2 + quo2**

**print("Sum of", num, "=", sum\_of\_num)**

**8. Write a program to swap two numbers using third variable.**

**n1 = int(input("Enter number1: "))**

**n2 = int(input("Enter number2: "))**

**temp = 0**

**temp = n1**

**num1 = n2**

**num2 = temp**

**print("Swap of two number (",n1,",",n2,") = (",num1,",",num2,")")**

**9. Write a program to swap two numbers without using third variable.**

**n1 = int(input("Enter a number\_1: "))**

**n2 = int(input("Enter a number\_2: "))**

**n1, n2 = n2, n1**

**print("Swap without third variable =",n1, n2)**

**10. Write a program to reverse three-digit number.**

**num = int(input("Enter a three-digit number: "))**

**third = num % 10 # 153 % 10 = 3**

**quo1 = num // 10 # 153 // 10 = 15**

**second = quo1 % 10 # 15 % 10 = 5**

**first = quo1 // 10 # 15 // 10 = 1**

**reversed = (third \* 100) + (second \* 10) + first**

**print("Reversed =",reversed)**

**11. Write a program to accept an integer amount from user and tell minimum number of notes needed for representing that amount.**

**amt = int(input("Enter the amount : "))**

**note\_500 = amt // 500**

**rem\_500 = amt % 500**

**note\_200 = rem\_500 // 200**

**rem\_200 = rem\_500 % 200**

**note\_100 = rem\_200 // 100**

**rem\_100 = rem\_200 % 100**

**note\_50 = rem\_100 // 50**

**rem\_50 = rem\_100 % 50**

**note\_20 = rem\_50 // 20**

**rem\_20 = rem\_50 % 20**

**note\_10 = rem\_20 // 10**

**rem\_10 = rem\_20 % 10**

**total\_notes = (note\_500 + note\_200 + note\_100 + note\_50 + note\_20 + note\_10)**

**print("Minimum notes needed for amount",amt,"=",total\_notes)**