1.Write a program that accepts two integers from the user and􀀁

calculate the sum of the two integers.

num1 = int(input("Enter the First Value:- "))

num2 = int(int(input("Enter the Second Value:- ")))

print(num1+num2)

2.Write a program that accepts two integers from the user and􀀁

calculate the product of the two integers

cod1=int(input("Enter the First Product:- "))

cod2=int(input("Enter the Second Product:- "))

cal=cod1+cod2

print("Total Of product is ",cal)

3.Write a program that accepts two integers from the user and􀀁

calculate the subtraction of the two integers.

num1=int(input("Enter the first Value: "))

num2=int(input("Enter the second value: "))

cal=num1-num2

print(cal)

4.Write a program that accepts two integers from the user and􀀁

calculate the division of the two integers.

number1=int(input("Enter the first value: "))

number2=int(input("Enter the second value: "))

cal=number1/number2

print(cal)

5.Write a program that accepts two integers a, b from the user and􀀁

calculate the reminder of the a/b.

num1=int(input("Enter the A value: "))

num2=int(input("Enter the B value: "))

cal=num1/num2

print(cal)

6.Write a program that accepts two floats from the user and calculate􀀁

the sum of the two floats.

coder1=float(input("Enter the First Value: "))

coder2=float(input("Enter the Second Value: "))

calculate=coder1+coder2

print(calculate)

7.Write a program that accepts two floats from the user and calculate􀀁

the product of the two floats.

coder1=float(input("Enter the First Value: "))

coder2=float(input("Enter the Second Value: "))

calculate=coder1+coder2

print(calculate)

7.Write a program that accepts two floats from the user and calculate􀀁

the product of the two floats.

num1=int(input("Enter the first Product: "))

num2=int(input("Enter the second Product: "))

cal=num1+num2

print("The Total of product: ",cal)

8.Write a program that accepts two floats from the user and calculate􀀁

the subtraction of the two floats.

code1=float(input("Enter the first value: "))

code2=float(input("Enter the second value: "))

cal=code1-code2

print(cal)

print(type(cal))

9.Write a program that accepts two floats from the user and calculate􀀁

the division of the two floats.

A=float(input("Enter the first value: "))

B=float(input("Enter the second value: "))

c=A/B

print(c)

print(type(c))

10.Write a program that accepts two floats a, b from the user and􀀁

calculate the reminder of the a/b.

A=float(input("Enter the A value: "))

B=float(input("Enter the B value: "))

c=A/B

print(c)

print(type(c))

11.Write a program that calculates total, average and percentage of 5􀀁

subjects of a student. Take inputs from user.

print(" FIND AVERAGE AND PERCENTEGE ")

print("")

num1=int(input("Enter the English mark value: "))

num2=int(input("Enter the Math mark value: "))

num3=int(input("Enter the Hindi mark value: "))

num4=int(input("Enter the Science mark value: "))

num5=int(input("Enter the mrathi mark value: "))

cal=(num1+num2+num3+num4+num5)/5

print("Average:",cal)

print("")

calcu=(num1+num2+num3+num4+num5)/5\*100

print("Percentage:",calcu)

12.Write a program to enter length and breadth of a rectangle and find􀀁

its perimeter.

l= float(input("Enter the length of the rectangle: "))

w= float(input("Enter the width of the rectangle: "))

perimeter=(l+w)\*2

print("Perimeter of the rectangle is ",perimeter)

13.Write a program to find area of a rectangle

w=float(input("Enter the width of the rectangle: "))

l=float(input("Enter the length of the rectangle: "))

area=(w\*l)

print("Area of the rectangle is:",area)

14.Write a program to find surface area of a cuboid

A=float(input("Enter the width of the rectangle: "))

B=float(input("Enter the length of the rectangle: "))

C=float(input("Enter the heigth of the rectangle: "))

D=(A+B+C)/2

print("Area of the rectangle is:",D)

15.Write a program to find surface area of a cuboid

l=float(input("Enter the length Value: "))

w=float(input("Enter the width Value: "))

h=float(input("Enter the height Value: "))

s = (l\*w\*h)\*2

print("Surface area is: ",s)

16.Write a program that accepts an employee's ID, total worked hours􀀁

of a month and the amount he received per hour. Print the employee's

ID and salary (with two decimal places) of a particular month.

emp=int(input("Enter the employee id: "))

w=int(input(" total work hours of a month: "))

p=int(input("Amount recevied per hour: "))

cal=w\*p

print("employee ID: ",emp)

print("employee Salary: ",cal)

17.Write a program to calculate a bike’s average consumption from􀀁the

given total distance (integer value) travelled (in km) and spent fuel (in

litters, float number – 2 decimal point).

bike1=float(input("Enter the Total Distance in km: "))

bike2=float(input("Enter the total fuel spent in liters: "))

num=bike1/bike2

print("Average Consumption: ",num)

18.Write a C program to calculate the distance between the two points.

x1 = float(input('Enter x1: '))

y1 = float(input('Enter y1: '))

x2 = float(input('Enter x2: '))

y2 = float(input('Enter y2: '))

# Calculating distance

d = ( (x2-x1)\*\*2 + (y2-y1)\*\*2 ) \*\* 0.5

# Displaying result

print('Distance = ' ,(d))

19.Write a C program to read an amount (integer value) and break the

amount into smallest possible number of bank notes.

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21.Write a program to convert a given integer (in days) to years,􀀁

months and days, assumes that all months have 30 days and all years

have 365 days.

def convert(seconds):

seconds = seconds % (12 \* 3600)

hour = seconds // 3600

seconds %= 3600

minutes = seconds // 60

seconds %= 60

return "%d:%02d:%02d" % (hour, minutes, seconds)

# Driver program

n = 54876

print(convert(n))

22.Write a program to swap two numbers with using third variables.

num1=50

num2=60

num3=num1

num1=num2

num2=num3

print("num1 value: ",num1)

print("num2 value: ",num2)

23.Write a program to swap two numbers without using third variables.

num1=50

num2=60

num1=num1+num2

num2=num1-num2

num1=num1-num2

print("num1 value: ",num1)

print("num2 value: ",num2)

CONDITONAL STATEMENTS

1.Write a program to accept two integers and check whether they are

equal or not.

num1= int(input("Enter first number: "))

num2= int(input("Enter second number: "))

if num1 % num2 == 0:

print(num1, "is Equal:", num2)

else:

print(num1, "is not Equal: ", num2)

2.Write a program to check whether a given number is even or odd.

ram\_sharma= int(input("Enter number: "))

if ram\_sharma%2==0:

print("EVEN")

else:

print("ODD")

3.Write a program to check whether a given number is positive or

negative.

sharma= int(input("Enter a number: "))

if sharma > 0:

print("Positive number")

else:

if sharma < 0:

print("Negative Number ")

else:

print("Zero")

4.Write a program to find whether a given year is a leap year or not.

years= int(input('Enter the year: '))

if (years%400==0) or (years%4==0 and years%100!=0):

print('this is leap year')

else:

print('this is not leap year')

5.Write a program to read the age of a candidate and determine

whether it is eligible for casting his/her own vote.

Age = int(input(" Enter the Age: "))

if Age>=18:

print("Eligible")

else:

print("Not eligible")