```
#3-Mult
n1=float(input("Enter first number: "))
n2=float(input("Enter second number: "))
print("The multiplication of ",n1," and ",n2,"is: ",(n1*n2))
```

```
#4-Div
n1=float(input("Enter first number: "))
n2=float(input("Enter second number: "))
if n2 !=0:
  print("The div of ",n1," and ",n2,"is: ",n1/n2)
else:
  print("Cannot divide by zero")
```

```
Enter first number: 1
Enter second number: 2
The div of  1.0  and  2.0 is:  0.5
```

```
#5-Add, Sub, MULT, Divid
n1=float(input("Enter first number: "))
n2=float(input("Enter second number: "))
print("The sum of ",n1," and ",n2,"is: ",(n1+n2))
print("The subtraction of ",n1," and ",n2,"is: ",(n1-n2))
print("The multiplication of ",n1," and ",n2,"is: ",(n1*n2))
if n2 !=0:
  print("The div of ",n1," and ",n2,"is: ",n1/n2)
else:
  print("Cannot divide by zero")
```

```
Enter first number: 2
Enter second number: 4
The sum of  2.0  and  4.0 is:  6.0
The subtraction of  2.0  and  4.0 is:  -2.0
The multiplication of  2.0  and  4.0 is:  8.0
The div of  2.0  and  4.0 is:  0.5
```

```
#6 convert Hours into minutes
hour=int(input("Enter hours: "))
minute=hour*60
print(hour, " Corresponds to ",minute,"minutes")
```

```
Enter hours: 2
2  Corresponds to  120 minutes
```

```
#7 convert Hours into minutes
minute=int(input("Enter minutes: "))
hour=minute/60
print(minute, " minutes Corresponds to ",hour,"hours")
```

```
Enter minutes: 720
720  Corresponds to  12.0 hours
```

```
#8 Dollar to Rs.
doll=float(input("Enter dollar amount: "))
rupp=doll*48
print(doll,"$ = ",rupp,"Rs.")
```

```
Enter dollar amount: 3
3.0 $ =  144.0 Rs.
```

```
#9Rs to Dollars
rupp=float(input("Enter Rs amount: "))
doll=rupp/48
print(rupp,"Rs = ",doll,"$")
```

```
Enter Rs amount: 48
48.0 Rs =  1.0 $
```

```
#10 Dollars into pounds
doll=float(input("Enter dollar amount: "))
pound=doll*(48/70)
print(doll,"$ = ",pound,"pounds")
```

```
Enter dollar amount: 1
1.0 $ =  0.6857142857142857 pounds
```

```
#11
kg=float(input("Enter kg amount: "))
gr=kg*1000
print(kg,"kgs= ",gr,"g")
```

```
Enter kg amount: 1
1.0 kgs=  1000.0 g
```

```
#12
gr=float(input("Enter grams amount: "))
kg=gr/1000
print(gr,"grams = ",kg,"kgs")
```

```
Enter grams amount: 1000
1000.0 grams =  1.0 kgs
```

```
#13
byte=int(input("Enter the bytes: "))
kb=byte/1024
mb=kb/1024
gb=mb/1024
print(byte,"byte = ",kb," KB")
```

```
print(byte,"byte = ",mb," MB")
print(byte,"byte = ",gb," GB")
```

```
Enter the bytes: 4096
4096 byte =  4.0  KB
4096 byte =  0.00390625  MB
4096 byte =  3.814697265625e-06  GB
```

```
#14# Program to convert Celsius to Fahrenheit (without functions)

celsius = float(input("Enter the temperature in Celsius: "))

fahrenheit = (9 / 5) * celsius + 32

print(f"{celsius}°C is equal to {fahrenheit:.2f}°F")
```

```
Enter the temperature in Celsius: 42
42.0°C is equal to 107.60°F
```

```
#15-# Program to convert Fahrenheit to Celsius (without functions)

fahrenheit = float(input("Enter the temperature in Fahrenheit: "))

celsius = (fahrenheit - 32) * 5 / 9

print(f"{fahrenheit}°F is equal to {celsius:.2f}°C")
```

```
Enter the temperature in Fahrenheit: 104
104.0°F is equal to 40.00°C
```

```
#16 # Program to calculate simple interest


P = float(input("Enter the principal amount (P): "))
R = float(input("Enter the rate of interest per year (R): "))
N = float(input("Enter the time in years (N): "))


I = (P * R * N) / 100

print(f"The simple interest is: {I:.2f}")
```

```
Enter the principal amount (P): 100
Enter the rate of interest per year (R): 14
Enter the time in years (N): 12
The simple interest is: 168.00
```

```
#17 # Program to calculate area and perimeter of a square

L = float(input("Enter the length of the side of the square: "))
area = L ** 2
perimeter = 4 * L
print(f"Area of the square: {area:.2f}")
print(f"Perimeter of the square: {perimeter:.2f}")
```

```
Enter the length of the side of the square: 5
Area of the square: 25.00
Perimeter of the square: 20.00
```

```
#18 # Program to calculate area and perimeter of a rectangle

L = float(input("Enter the length of the rectangle: "))
B = float(input("Enter the breadth of the rectangle: "))
area = L * B
perimeter = 2 * (L + B)
print(f"Area of the rectangle: {area:.2f}")
print(f"Perimeter of the rectangle: {perimeter:.2f}")
```

```
Enter the length of the rectangle: 5
Enter the breadth of the rectangle: 2
Area of the rectangle: 10.00
Perimeter of the rectangle: 14.00
```

```
#19 # Program to calculate area of a circle
R = float(input("Enter the radius of the circle: "))

area = (22 / 7) * R * R

print(f"Area of the circle: {area:.2f}")
```

```
Enter the radius of the circle: 5
Area of the circle: 78.57
```

```
#20# Program to calculate area of a triangle

L = float(input("Enter the base (length) of the triangle: "))
H = float(input("Enter the height of the triangle: "))

area = (H * L) / 2

print(f"Area of the triangle: {area:.2f}")
```

```
Enter the base (length) of the triangle: 4
Enter the height of the triangle: 5
Area of the triangle: 10.00
```

```
#21# Program to calculate net salary
gross_salary = float(input("Enter the gross salary: "))

allowance = 0.10 * gross_salary
deduction = 0.03 * gross_salary

net_salary = gross_salary + allowance - deduction

print(f"Gross Salary     : {gross_salary:.2f}")
print(f"Allowance (10%)  : {allowance:.2f}")
print(f"Deduction (3%)   : {deduction:.2f}")
print(f"Net Salary       : {net_salary:.2f}")
```

```
Enter the gross salary: 100000
Gross Salary     : 100000.00
Allowance (10%)  : 10000.00
Deduction (3%)   : 3000.00
Net Salary       : 107000.00
```

```
#22# Program to calculate net sales
gross_sales = float(input("Enter the gross sales amount: "))

discount = 0.10 * gross_sales

net_sales = gross_sales - discount

print(f"Gross Sales  : {gross_sales:.2f}")
print(f"Discount (10%): {discount:.2f}")
print(f"Net Sales    : {net_sales:.2f}")
```

```
Enter the gross sales amount: 1250000000
Gross Sales  : 1250000000.00
Discount (10%): 125000000.00
Net Sales    : 1125000000.00
```

```
#23. Calculate average of three subjects along with their total.

subject1 = float(input("Enter marks for Subject 1: "))
subject2 = float(input("Enter marks for Subject 2: "))
subject3 = float(input("Enter marks for Subject 3: "))

total = subject1 + subject2 + subject3
average = total / 3

print(f"Total Marks  : {total:.2f}")
print(f"Average Marks: {average:.2f}")
```

```
Enter marks for Subject 1: 65
Enter marks for Subject 2: 70
Enter marks for Subject 3: 69
Total Marks  : 204.00
Average Marks: 68.00
```

```
#24.Swap two values.
a = input("Enter the first value (a): ")
b = input("Enter the second value (b): ")


print(f"Before swap: a = {a}, b = {b}")


temp = a
a = b
b = temp

print(f"After swap: a = {a}, b = {b}")
```

```
Enter the first value (a): 5
Enter the second value (b): 4
```

```
Before swap: a = 5, b = 4
After swap: a = 4, b = 5
```