```python
#  add two numbers entered by the user
num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))
sum = num1 + num2
print("The sum is:", sum)

print("Vikas G H")
print("AI ML")
```

```
Enter first number: 2
Enter second number: 2
The sum is: 4.0
Vikas G H
AI ML
```

```python
#  all arithmetic operations
a = float(input("Enter first number: "))
b = float(input("Enter second number: "))
add = a+b
sub = a-b
div = a/b
div2 = a//b
div3 = a%b
mult = a*b


print( a + b)
print( a - b)
print(a * b)
print(a / b)
print(a % b)
print( a // b)

print("Vikas G H")
print("AI ML")
```

```
Enter first number: 2
Enter second number: 5
7.0
-3.0
10.0
0.4
2.0
0.0
Vikas G H
AI ML
```

```python
# to find area of a circle
radius = float(input("Enter the radius: "))
area = 3.14 * radius * radius
print("Area of circle:", area)
print("Vikas G H")
print("AI ML")
```

```
Enter the radius: 4
Area of circle: 50.24
Vikas G H
AI ML
```

```
# calculate average of three numbers
a = float(input("Enter first number: "))
b = float(input("Enter second number: "))
c = float(input("Enter third number: "))

average = (a + b + c) / 3
print("Average:", average)

print("Vikas G H")
print("AI ML")
```

```
Enter first number: 2
Enter second number: 5
Enter third number: 5
Average: 4.0
Vikas G H
AI ML
```

```
# Program to find area and perimeter of rectangle
l = float(input("Enter length: "))
b = float(input("Enter breadth: "))

area = l * b
perimeter = 2 * (l + b)

print("Area:", area)
print("Perimeter:", perimeter)
```

```
Enter length: 4
Enter breadth: 2
Area: 8.0
Perimeter: 12.0
```

```
#  to convert Celsius to Fahrenheit
celsius = float(input("Enter temperature in Celsius: "))
fahrenheit = (celsius * 9/5) + 32
print("Temperature in Fahrenheit:", fahrenheit)
print("Vikas G H ")
print("AI ML")
```

```
Enter temperature in Celsius: 40
Temperature in Fahrenheit: 104.0
```

```
# swap two numbers using temporary variable
a = int(input("Enter first number: "))
b = int(input("Enter second number: "))

temp = a
a = b
b = temp

print("After swapping:")
print("First number:", a)
print("Second number:", b)
```

```
Enter first number: 2
Enter second number: 1
After swapping:
First number: 1
```

```
#find simple interest
p = float(input("Enter principal amount: "))
r = float(input("Enter rate of interest: "))
t = float(input("Enter time in years: "))

si = (p * r * t) / 100
print("Simple Interest:", si)
print("Vikas G H")
print("AI ML")
```

```
Enter principal amount: 2000
Enter rate of interest: 4
Enter time in years: 2
Simple Interest: 160.0
Vikas G H
AI ML
```

```
#find perimeter of triangle
a = float(input("Enter side 1: "))
b = float(input("Enter side 2: "))
c = float(input("Enter side 3: "))

perimeter = a + b + c
print("Perimeter of triangle:", perimeter)
print("Vikas G H ")
print("AI ML")
```

```
Enter side 1: 2
Enter side 2: 2
Enter side 3: 2
Perimeter of triangle: 6.0
Vikas G H
AI ML
```

```
#find square and cube of a number
num = float(input("Enter a number: "))

square = num ** 2
cube = num ** 3

print("Square:", square)
print("Cube:", cube)

print("Vikas G H ")
print("AI ML")
```

```
Enter a number: 2
Square: 4.0
Cube: 8.0
Vikas G H
AI ML
```