```
print("vivek chauhan")
```

```
vivek chauhan
```

```
# pre-defined area of triangle and circle
triangle_highet= 15
triangle_base = 10
pie = 3.14
radius = 25
triangle_area = 1/2 * triangle_base * triangle_highet
circle_area = pie * radius * radius
print("the area of a triangle is:",triangle_area)
print("the area of a circle is:",circle_area)
```

```
the area of a triangle is: 75.0
the area of a circle is: 1962.5
```

```
# user-input area of triangle and circle
triangle_highet = int(input(print("enter the highet of the triangle")))
triangle_base = int(input(print("enter the base of the triangle")))
pie = 3.14
radius = int(input(print("enter the radius for the circle")))
triangle_area = 1/2 * triangle_base * triangle_highet
circle_area = pie * radius * radius
print("the area of a triangle is:",triangle_area)
print("the area of a circle is:",circle_area)
```

```
enter the highet of the triangle
None15
enter the base of the triangle
None10
enter the radius for the circle
None25
the area of a triangle is: 75.0
the area of a circle is: 1962.5
```

```
# addition and substraction using pre-defined numbers
a = 5
b = 3
sum = a + b
sub = a - b
print("the sum of two numbers is:",sum)
print("the sub of two numbers is:",sub)
```

```
the sum of two numbers is: 8
the sub of two numbers is: 2
```

```
# addition and substraction using user-input numbers
a = int(input(print("enter your first number:")))
b = int(input(print("enter your second number:")))
sum = a + b
sub = a - b
print("the sum of two numbers is:",sum)
print("the sub of two numbers is:",sub)
```

```
enter your first number:
None5
enter your second number:
None3
the sum of two numbers is: 8
the sub of two numbers is: 2
```

```
# calculates the average of the two pre-defined numbers
a = 60
b = 70
average = (a + b)/2
print("the average of two pre-defined numbers is:",average)
```

```
the average of two pre-defined numbers is: 65.0
```

```
# calculates the average of the two user-input numbers
a = int(input(print("enter your first number:")))
b = int(input(print("enter your second number:")))
average = (a + b)/2
print("the average of two user-input numbers is:",average)
```

```
enter your first number:
None10
```

```
enter your second number:
None20
the average of two user-input numbers is: 15.0
```

```
# calculates the total and average pre-defined marks scored by a student in 5 subjects
subject1 = 72
subject2 = 75
subject3 = 78
subject4 = 80
subject5 = 85
total_marks = subject1 + subject2 + subject3 + subject4 + subject5
average_marks = (subject1 + subject2 + subject3 + subject4 + subject5)/5
print("the total marks of a student in 5 subjects:",total_marks)
print("the average marks of a student in 5 subjects:",average_marks)
```

```
the total marks of a student in 5 subjects: 390
the average marks of a student in 5 subjects: 78.0
```

```
# calculates the total and average user-input marks scored by a student in 5 subject
subject1 = int(input(print("enter your first subject marks")))
subject2 = int(input(print("enter your second subject marks")))
subject3 = int(input(print("enter your third subject marks")))
subject4 = int(input(print("enter your fourth subject marks")))
subject5 = int(input(print("enter your fifth subject marks")))
total_marks = subject1 + subject2 + subject3 + subject4 + subject5
average_marks = (subject1 + subject2 + subject3 + subject4 + subject5)/5
print("the total marks of a student in 5 subjects:",total_marks)
print("the average marks of a student in 5 subjects:",average_marks)
```

```
enter your first subject marks
None72
enter your second subject marks
None75
enter your third subject marks
None78
enter your fourth subject marks
None80
enter your fifth subject marks
None85
the total marks of a student in 5 subjects: 390
the average marks of a student in 5 subjects: 78.0
```

```
# swap the two pre-defined numbers
a = 10
b = 20
print("the two pre-defined numbers is:",a,b)
temp = a
a = b
b = temp
print("after the swap two pre-defined numbers is:",a,b)
```

```
the two pre-defined numbers is: 10 20
after the swap two pre-defined numbers is: 20 10
```

```
# swap the two user-input numbers
a = int(input(print("enter your first number:")))
b = int(input(print("enter your second number:")))
print("the two user-input numbers is:",a,b)
temp = a
a = b
b = temp
print("after the swap two user-input numbers is:",a,b)
```

```
enter your first number:
None50
enter your second number:
None100
the two user-input numbers is: 50 100
after the swap two user-input numbers is: 100 50
```

```
1# converts rupees to paisa by pre-defined rupees
onerupees = 100 #paisa
rupees = 2
convertrupees = onerupees * rupees
print("your rupees to paisa conversion is:",convertrupees)
```

```
your rupees to paisa conversion is: 200
```

```
# converts rupees to paisa by user-input rupees
onerupees = 100 #paisa
```

```
rupees = int(input(print("enter your rupees which you want to convert in paisa:")))
convertrupees = onerupees * rupees
print("your rupees to paisa conversion is:",convertrupees)
```

```
enter your rupees which you want to convert in paisa:
None5
your rupees to paisa conversion is: 500
```

```
# converts pre-defined time entered in minutes to hours and minutes
onehour = 60 #minutes
hours =  5
convertinminutes = onehour * hours
print("hour to minutes conversion is:",convertinminutes)
convertinhours = convertinminutes / 60
print("minutes to hours conversion is:",convertinhours)
```

```
hour to minutes conversion is: 300
minutes to hours conversion is: 5.0
```

```
# converts user-input time entered in minutes to hours and minutes
onehour = 60  #minutes
hours = int(input(print("enter your hour which you want to convert in minutes:")))
convertinminutes = onehour * hours
print("hour to minutes conversion is:",convertinminutes)
convertinhours = convertinminutes / 60
print("minutes to hours conversion is:",convertinhours)
```

```
enter your hour which you want to convert in minutes:
None5
hour to minutes conversion is: 300
minutes to hours conversion is: 5.0
```

```
Start coding or generate with AI.
```