Ex 5. Programs using Functions

Return the full name of the Person(first name, last name) using function

Program:

```
def fullname(x,y):
   return x+y
firstname=input("enter your first name:")
lastname=input("enter your last name:")
print("full name;",fullname(firstname,lastname))
```

output:

```
enter your first name:matcha
enter your last name:rani
full name; matcharani
```

write a python program to convert time hours into minutes

program:

```
def convert(h):
      return h*60
h=float(input("enter time in hours:"))
print("hours into minutes is:",convert(h))
```

output:

```
enter time in hours:1
hours into minutes is: 60

enter time in hours:1.5
hours into minutes is: 90.0
```

Print sum and reverse of the List elements

Program:

```
def reverse(list):
    new_list=list[::-1]
    return new_list
list=[]
n=int(input("enter no.of element in list:"))
for i in range(0,n):
     e=int(input("enter element"))
     list.append(e)
print("list before reversing",list)
print("list after reversing:",reverse(list))
print("sum of list=",sum(list))
```

output:

```
enter no.of element in list:3
enter element1
enter element2
enter element3
list before reversing [1, 2, 3]
list after reversing: [3, 2, 1]
sum of list= 6
```

define a function to convert km to m

Program:

```
def convert(km):
     return km*1000
km=int(input("enter distance in km:"))
print("meter=",convert(km))
```

output:

enter distance in km:2

meter= 2000

Print the area and Perimeter of cylinder using Function

Program:

```
def cylinder(r,h):
    print("curved surface area=",2*3.14*r*h)
    print("total surface area=",2*3.14*r*(r+h))
    print("perimeter of cylinder=",4*r+2*h)
    return
r=float(input("enter radius of the cylinder:"))
h=float(input("enter height of  the cylinder:"))
cylinder(r,h)
```

output:

enter radius of the cylinder:3

enter height of the cylinder:5

curved surface area= 94.2

total surface area= 150.72

perimeter of cylinder= 22.0