EXERCISE 5

COMMOTO ALL QUESTIONS

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

Program:

```
def name(x,y):
    z=x+y
    print(z)
first=input("Enter first name:")
second=input("Enter second name:")
print(first,second)
```

Output:

Enter first name:Sri

Enter second name:Sankari

Sri Sankari

2)Write a python program to convert time hours into minutes

Program:

```
def convertion(hour):
    minute=hour*60
    return minute
a=int(input("Enter time in hour:"))
print(convertion(a))
```

Output:

Enter time in hour:12

720

Group 5

1)Sum and reverse of a list

Program:

```
def sum_list(list):
    sum=0
    for x in list:
        sum=sum+x
return sum
def(reverse_list(list)):
    new_list=list[::-1]
    return new_list
list=[1,2,3,4,5]
print(list)
print(sum_list(list))
print(reverse(list))
```

Output:

[1,2,3,4,5]

15

[5,4,3,2,1]

2)Define a function to convert km to m

Program:

```
def convertion(kilometre):
    metre=kilometre*1000
    return metre
a=int(input("Enter kilometre:"))
print (convertion(a))
```

Output:

```
Enter kilometre:54
54000
```

3)Print the area and perimeter of cylinder using function

Program:

```
def perimeter(diameter,height):
    return 2*(diameter+height)
diameter=int(input("Enter the diameter:"))
height=int(input("Enter the height:"))
print("perimeter of cylinder=",perimeter(diameter,height))

import math
def vol_sa_cylinder(radius,height):
    sa=2*math.pi*radius*(radius+height)
```

```
radius=float(input("enter r:"))
height=float(input("enter h:"))
    print("\n The surface area of a cylinder=%.2f"%sa)
```

Output:

```
Enter the diameter:25
Enter the height:154
perimeter of cylinder= 358
enter r=6
enter h=4
The surface area of a cylinder=376.99
```