Python Assignment Day - 2

Sandhya.P 321910302023

```
a=6
    b=4
    sum=a+b
    print("the sum is",sum)
 5
    sub=a-b
    print("the difference is",sub)
 7
    mul=a*b
    print("the product is",mul)
 9
    div=a/b
    print("the quotient is",div)
10
    mod=a%b
    print("the remainder is", mod)
12
    exp=a**b
13
14
    print("the exponent is",exp)
15
    fd=a//b
    print("the floor division is",fd)
16
```

Program to design calculator for the operator

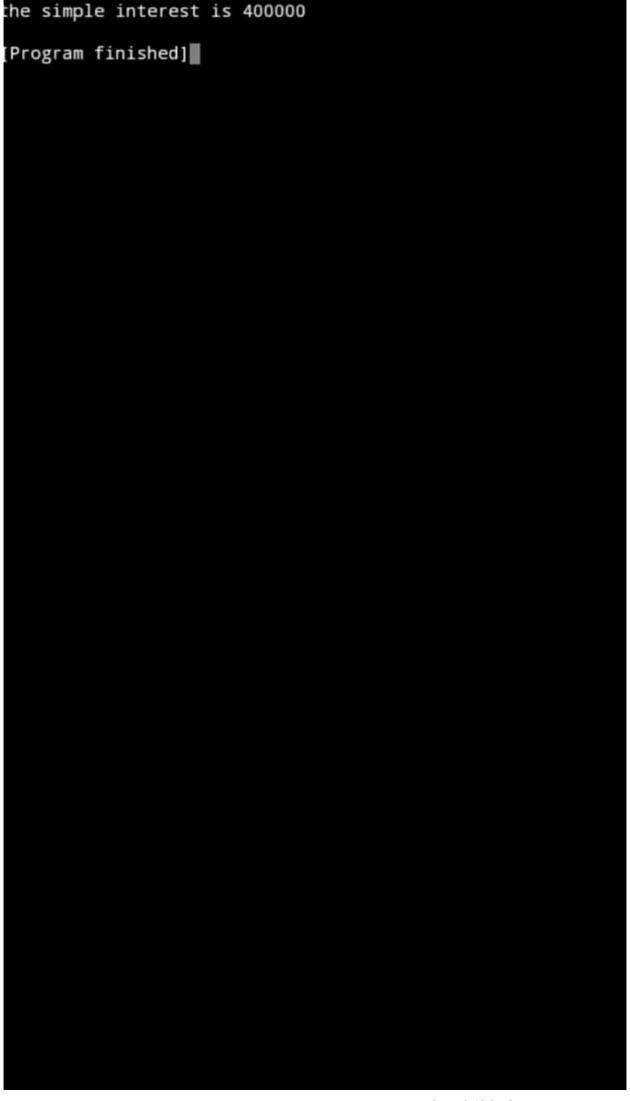


the sum is 10 the difference is 2 the product is 24 the quotient is 1.5 the remainder is 2 the exponent is 1296 the floor division is 1 [Program finished]

```
1 | p=50000
2 | t=4
3 | r=2
4 | si=p*t*r
5 | print("the simple interest is",si)
```

Program to calculate simple interest

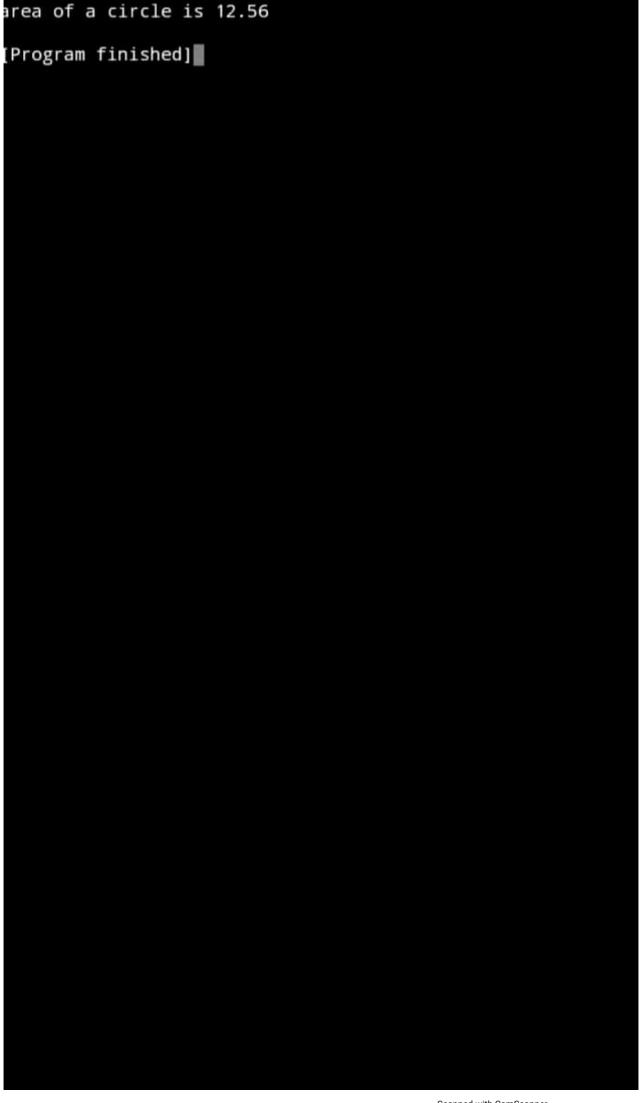




```
pi=3.14
r=2
area=pi*r*r
print("area of a circle is",area)
```

Program to calculate area of circle





```
1 | b=3
2 | h=2
3 | area=0.5*b*h
4 | print("the area of triangle is",area)
```

Program to calculate area of triangle

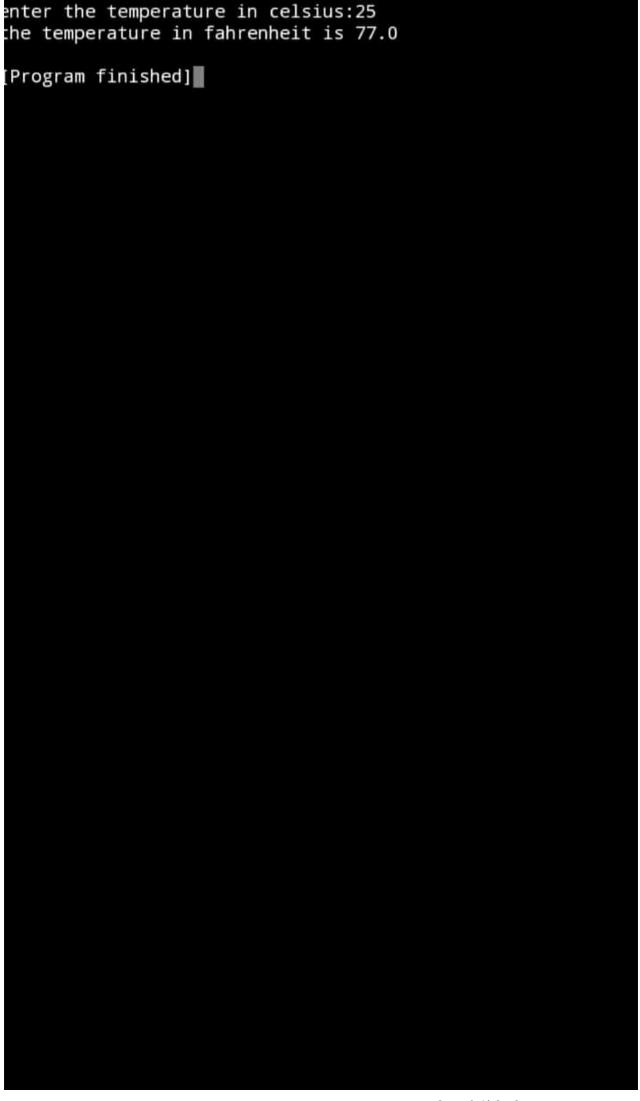


the area of triangle is 3.0 [Program finished]

- 1 | c=float(input("enter the temperature in celsius:"))
- 2 f=(c*1.8)+32
- 3 print("the temperature in fahrenheit is",f)

Program to convert temperature Celsius to Fahrenheit





Program to calculate area of rectangle

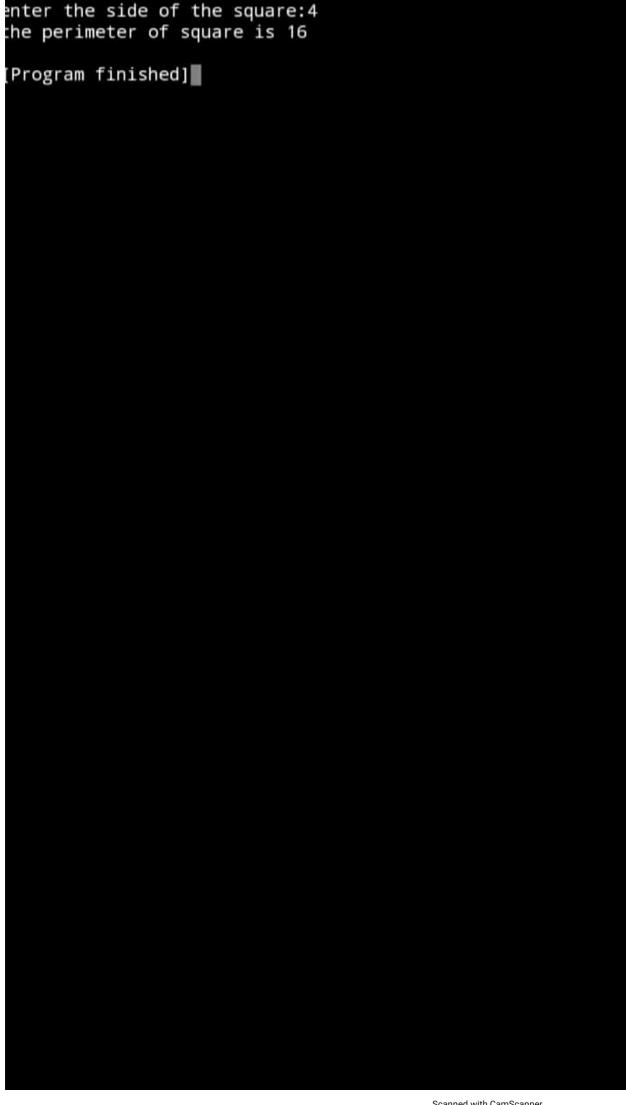


enter the length:3 enter the breadth:5 area of rectangle is 15 [Program finished]

```
    1 | a=int(input("enter the side of the square:"))
    2 | p=4*a
    3 | print("the perimeter of square is",p)
```

Program to calculate perimeter of square

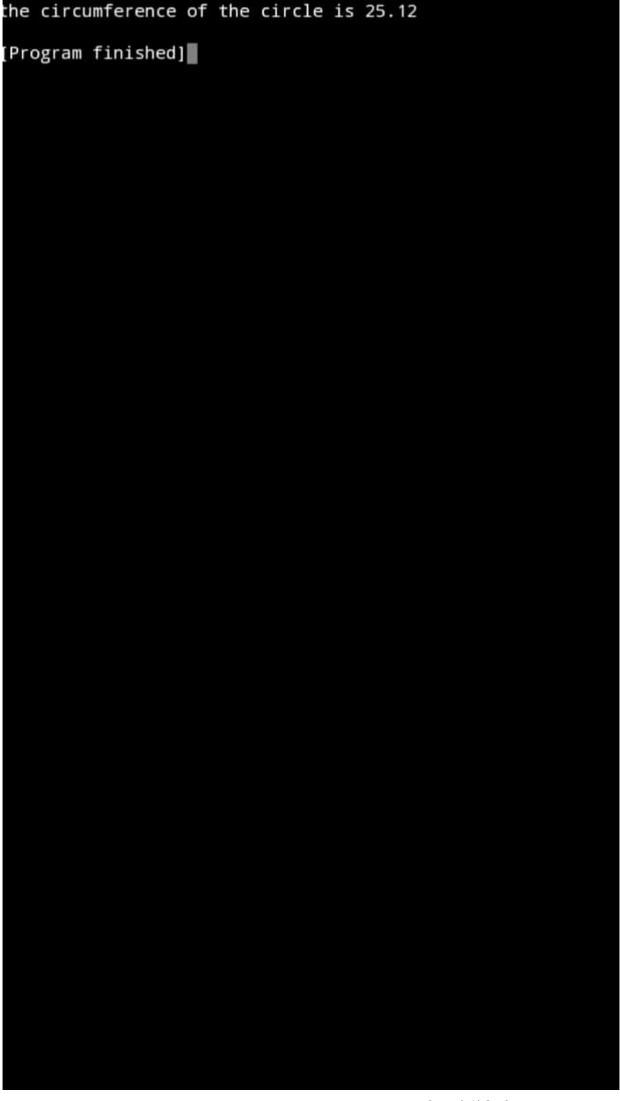




r=4 c=2*3.14*r print("the circumference of the circle is",c)

Program to calculate the circumference of the circle





Program to swap two numbers



enter the first number:3 enter the second number:4 the value of x after swapping is:4 the value of y after swapping is:3 [Program finished]