Convert centegrade to farenheit

In [6]:
```
celsius = float(input("Enter temperature in celsius: "))
fahrenheit = (celsius * 9/5) + 32
print('%.2f Celsius is: %0.2f Fahrenheit' %(celsius, fahrenheit))
```

```
Enter temperature in celsius: 32
32.00 Celsius is: 89.60 Fahrenheit
```

Find the greater of two nos

In [7]:
```
num1 = int(input("Enter the first number: "))
num2 = int(input("Enter the second number: "))
print(max(num1, num2), "is greater")
```

```
Enter the first number: 5
Enter the second number: 7
7 is greater
```

program for finding surface areas of cylinder and cone

In [23]:
```
PI=3.142
def cylender(r,h):
    print("surface area of the cylender is",2*PI*r*r*h)
def cone(r,h):
    print("surface area of the cone is",1/3*PI*r*r*h)
r=int(input("enter the radious: "))
h=int(input("enter the height: "))
cylender(r,h)
cone(r,h)
```

```
enter the radious: 15
enter the height: 42
surface area of the cylender is 59383.799999999996
surface area of the cone is 9897.3
```

Find the greatest of four nos using and

In [4]:

```
def maxOfFour(w, x, y, z):
        if w>x and w>y and w>z:
            print(w,"is great")
        elif x>y and x>z:
            print(x,"is grater")
        elif y>z:
            print(y,"is greater")
        else:
            print(z,"is greater")
# Driver code
w = int(input('enter 1 number: '))
x = int(input('enter 2 number: '))
y = int(input('enter 3 number: '))
z = int(input('enter 4 number: '))
maxOfFour(w, x, y, z)
```

```
enter 1 number: 5
enter 2 number: 4
enter 3 number: 6
enter 4 number: 50
50 is greater
```

Write a menu program to perform the operations (ODDorEven, Factorial,

ODDNoUptoN, PrimeUptoN) using functions for two nos with menu choice

In [1]:

```
loop = 1 # 1 means loop; anything else means don&#39;t loop.
choice = 0 # This variable holds the user&#39;s choice in the menu
def AddorEven(n):
    if (n % 2) == 0:
        print("Entered number is Even ".format(n))
    else:
        print("Entered number is Odd ".format(n))
def Factorial(m):
        factorial = 1
        if m < 0:
            print("Sorry, factorial does not exist for negative numbers")
        elif m == 0:
            print("The factorial of 0 is 1")
        else:
            for i in range(1,m + 1):
                factorial = factorial*i
            print("The factorial of",m,"is",factorial)
def ODDNoUptoN(o):
    for num in range(1, o + 1,2):
        print(num,end=" ")
def PrimeUptoN(p):
    for num in range(1, p):
        for i in range(2, num):
            if num % i == 0:
                break
            else:
                print(num)
                break

while loop == 1:
    print ("\n Welcome to python")
    print ("your options are:")
    print (" ")
    print("1) AddorEven ")
    print("2) Factorial")
    print("3) ODDNoUptoN")
    print("4) PrimeUptoN")
    print("5) Quit calculator.py")
    print(" ")
    try:
        choice = int(input("Choose your option:"))
    except:
        print("please enter a valid number for option")
        print(" ")
        print(" ")
    if choice == 1:
        n = int(input("Enter the no:"))
        AddorEven(n)
    elif choice == 2:
        m = int(input("Enter the no:"))
        Factorial(m)
    elif choice == 3:
        o = int(input("Enter the no:"))
        ODDNoUptoN(o)
    elif choice == 4:
              p = int(input("Enter the no:"))
              PrimeUptoN(p)
    elif choice == 5:
              loop = 0
    else:
              print("please choice a valid option from 1 to 5")
              choice=0
print ("Thank-you for using calculator.py!..")
```

```
Choose your option:1
```

```
Enter the no:5
Entered number is Odd

 Welcome to python
your options are:

1) AddorEven
2) Factorial
3) ODDNoUptoN
4) PrimeUptoN
5) Quit calculator.py

Choose your option:2
Enter the no:5
The factorial of 5 is 120

 Welcome to python
your options are:

1) AddorEven
2) Factorial
3) ODDNoUptoN
4) PrimeUptoN
5) Quit calculator.py

Choose your option:3
Enter the no:20
1 3 5 7 9 11 13 15 17 19
 Welcome to python
your options are:

1) AddorEven
2) Factorial
3) ODDNoUptoN
4) PrimeUptoN
5) Quit calculator.py

Choose your option:4
Enter the no:20
3
5
7
9
11
13
15
17
19

 Welcome to python
your options are:

1) AddorEven
2) Factorial
3) ODDNoUptoN
4) PrimeUptoN
5) Quit calculator.py

Choose your option:5
Thank-you for using calculator.py!..
```

Find the compound interest for the given p,n,r

In [8]:

```
p=int(input("enter the principle amount: "))
r=int(input("enter the rate of intrest: "))
t=int(input("enter the time perion: "))
ci =  p * (pow((1 + r / 100), t))
print("compound interest for the given p,r,t is ",ci)
```

```
enter the principle amount: 25000
enter the rate of intrest: 36
enter the time perion: 1
compound interest for the given p,r,t is  34000.0
```