In [1]:
```
p=int(input('Enter p: '))
n=int(input('Enter n: '))
r=int(input('Enter r: '))
sum=p*((1+n*r)/100)**n
print(" the sum is {0}".format(sum))
```

```
Enter p: 4
Enter n: 5
Enter r: 6
 the sum is 0.024186470399999997
```

In [2]:
```
c=int(input('Enter c: '))


sum=(9/5*c+32)
print(" the sum is {0}".format(sum))
```

```
Enter c: 5
 the sum is 41.0
```

In [3]:
```
a=int(input('Enter a: '))
b=int(input('Enter b: '))
if (a>b):
    print(" {0} greatest no is ".format(a))
else:
     print(" {0} greatest no is".format(b))
```

```
Enter a: 1
Enter b: 2
 2 greatest no is
```

In [8]:
```
def cynlinder(r,h):
    PI=3.14
    surfaceareacynlinder=(2*PI*r*r*h)
    print(" {0} greatest no is".format(surfaceareacynlinder))


def cone(r,h):
    PI=3.14
    surfaceareacone=(1/3*PI*r*r*h)
    print(" {0} greatest no is".format(surfaceareacone))

r=int(input('Enter r: '))
h=int(input('Enter h: '))
cynlinder(r,h)
cone(r,h)
```

```
Enter r: 4
Enter h: 5
 502.40000000000003 greatest no is
 83.73333333333333 greatest no is
```

In [13]:
```
def greatest(a,b,c,d):
    if(a>b and a>c and a>d):
        print(" {0} greatest no is ".format(a))
    elif(b>a and b>c and b>d):
        print(" {0} greatest no is ".format(b))
    elif(c>a and c>b and c>d):
        print(" {0} greatest no is ".format(c))
    else:
        print("{0} greatest no is ".format(d))

a=int(input('Enter a: '))
b=int(input('Enter b: '))
c=int(input('Enter c: '))
d=int(input('Enter d: '))
greatest(a,b,c,d)
```

```
Enter a: 4
Enter b: 5
Enter c: 6
Enter d: 10
10 greatest no is
```

In [*]:
```
import sympy
loop=1
while loop == 1:
    # Print what options you have
    print ("Welcome to calculator.py")
    print ("your options are:")
    print (" ")
    print("1) odd or even")
    print("2) factorial")
    print("3) odd number upton ")
    print("4) prime no upto n")
    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 value n'))
        mod = n % 2
        if mod!= 0:
                    print("This is an odd number.")
        else:
                    print("This is an even number.")
    elif choice == 2:
            n=int(input('enter value n'))
             for i in range(n):
                    if sympy.factorial(i):
                        print(i)

    elif choice == 3:
        n=int(input('enter value n'))
        for x in range (1,n):
                if(x%2!=0):
                    print("{0} ".format(x))
    elif choice == 4:
        for x in range (2,x)

    else:
        print("please choice a valid option from 1 to 5")
        choice=0
        print ("Thank-you for using calculator.py!")
```

```
Welcome to calculator.py
your options are:

1) odd or even
2) factorial
3) odd number upton
4) prime no upto n
5) Quit calculator.py
```

```
Choose your option: 4


enter value n4
4 is not a prime number
Welcome to calculator.py
your options are:

1) odd or even
2) factorial
3) odd number upton
4) prime no upto n
5) Quit calculator.py

Choose your option: 4


enter value n3
3 is a prime number
3 is not a prime number
Welcome to calculator.py
your options are:

1) odd or even
2) factorial
3) odd number upton
4) prime no upto n
5) Quit calculator.py


Choose your option:
```

In [ ]:

In [ ]: