Find the Factorial of a Number Using Iterative approach

Example 1:

python3

```python
# Python 3 program to find
# factorial of given number
def factorial(n):
    if n < 0:
        return 0
    elif n == 0 or n == 1:
        return 1
    else:
        fact = 1
        while(n > 1):
            fact *= n
            n -= 1
        return fact

# Driver Code
num = 5
print("Factorial of",num,"is",
factorial(num))
```

Python3

```python
# Python 3 program to find
# factorial of given number

# Function to find factorial of given number
def factorial(n):

    res = 1

    for i in range(2, n+1):
        res *= i
    return res
 # Driver Code
num = 5
print("Factorial of", num, "is",
factorial(num))
```

Python3

```python
# Python3 program to find simple interest
# for given principal amount, time and
# rate of interest.


def simple_interest(p,t,r):
    print('The principal is', p)
    print('The time period is', t)
    print('The rate of interest is',r)

    si = (p * t * r)/100

    print('The Simple Interest is', si)
    return si

# Driver code
simple_interest(8, 6, 8)
```

Python3

```python
# Python3 program to find simple interest
#  principal amount, time and
# rate of interest taken from user.


def simple_interest(p,t,r):
    print('The principal is', p)
    print('The time period is', t)
    print('The rate of interest is',r)

    si = (p * t * r)/100

    print('The Simple Interest is', si)


# Driver code
P = int(input("Enter the principal amount :"))
T = int(input("Enter the time period :"))
R = int(input("Enter the rate of interest :"))
simple_interest(P,T,R)
```

Python3

```
# Python program to find Area of a circle

def findArea(r):
    PI = 3.142
    return PI * (r*r);

# Driver method
print("Area is %.6f" % findArea(5));
```

Python3

```python
# Python program to find Area of a circle using inbuild library

import math
def area(r):
 area = math.pi* pow(r,2)
 return print('Area of circle is:' ,area)
area(4)
```

Find largest element in an array Using Native Approach

Python3

```python
def largest(arr, n):
    max = arr[0]
    for i in range(1, n):
        if arr[i] > max:
            max = arr[i]
    return max

arr = [10, 324, 45, 90, 9808]
n = len(arr)
Ans = largest(arr, n)
print("Largest in given array ", Ans)
```

Find largest element in an array Using Native Approach

Python3

```python
arr = [10, 32477, 45, 90, 9808]
n = len(arr)
maxi = arr[0]
for i in range(1, n):
    if arr[i] > maxi:
        maxi = arr[i]
print("Largest in given array ", maxi)

```

```
Largest in given array  32477
```