

UNIT 1 IMP QUESTIONS

1. What are the Different types of error and explain with example.

In []:

```
1. syntax 2. symantic 3.logical
```

2. Difference between Formal and Natural Language

3. What is Encapsualation and Generalization with example.

4. Is it possible that python returns multiple statements and if yes, then give example.

In []:

```
def cal(num1,num2):  
    return num1+num2 , num1-num2  
  
cal(10,20)
```

5. WAP of Factorial using reccursion

In [4]:

```
def fact(n):  
    if n == 1:  
        return n  
    else:  
        return n*fact(n-1)  
  
num=int(input())  
fact(num)
```

5

Out[4]:

120

6. FIZZ(3) BUZZ(5)AND FIZZ BUZZ(3 & 5)

In []:

```
for i in range(1,101):
    if i%3==0 and i%5==0:
        print("Fizz Buzz")
        continue
    elif i%3==0:
        print("Fizz")
        continue
    elif i%5==0:
        print("Buzz")
        continue
    else:
        print(i)
```

7. WAP to print all prime numbers less than 256

In []:

```
r=int(input("Enter upper limit: "))
for a in range(2,r+1):
    k=0
    for i in range(2,a//2+1):
        if(a%i==0):
            k=k+1
    if(k==0):
        print(a)
```

8. WAP to print all factors of a given number

In [15]:

```
num=int(input("Enter a number"))

print("The Factors of",num,"is")

for i in range(1,num+1):
    if num%i==0:
        print(i)
```

```
Enter a number897
The Factors of 897 is
1
3
13
23
39
69
299
897
```

9. WAP of fibonnici series upto 8 decimals

In [16]:

```
num1=int(input())
num2=int(input())
limit=8
for i in range(limit+1):
    sum=num1+num2
    num1=num2
    num2=sum
    print(sum)
```

```
1
2
3
5
8
13
21
34
55
89
144
```

10. WAP to print the following series

```
...
1
12
123
1234
12345
1234
123
12
1
...
```