**11. WAF to print Fibonacci series given term.**

fibonacci<- function(count){

    a<-0

    b<-1

    while(count){

     c=a+b

     print(c)

     a=b

     b=c

     count=count-1;

    }

}

fibonacci(10)

**output:**

**12. WAF to find factorial of given number.**

factorial<-function(a){

    fac=1

    while(a){

        fac=a\*fac

        a=a-1

    }

    print(fac)

}

factorial(3)

**output:**

**13. WAF to print prime numbers between given interval.**

prime\_number<-function(a,b){

    for(i in a:b){

        c=0

        for(j in 1:i){

            if(i%%j==0){c=c+1}

        }

        if(c==2) {print(i)}

    }

}

prime\_number(1,11)

**14.** **WAP to combine two strings.**

a<-"First String"

b<-" Second String"

print(paste(a,b))

**output:**

**15. WAP to find length of the input string.**

a<-as.character(readline(prompt="Enter String :"))

print(paste("length of input String : ", nchar(a)))

**output:**

**16. WAP to replace particular character with user input new character in given string. (hint : function chartr(old.new,string)).**

a<-as.character(readline(prompt="Enter String : "))

b<-as.character(readline(prompt="which character you want to replace : "))

c<-as.character(readline(prompt="by which character : "))

print(chartr(b,c,a))

**output:**

**17. WAP to create two vectors and perform different operations on them.**

a<-c(1,2,3,4,5)

b<-c(2,2,2,2,2)

print("add : ")

print(a+b)

print("sub : ")

print(a-b)

print("mul : ")

print(a\*b)

print("div : ")

print(a/b)

**output:**

**18. WAP to generate following sequences.**

**a. 1.0 1.2 1.4 1.6...**

**b. 10 9.5 9 8.5**

**c. -1 -3 -5 -7....**

print("1.")

print(seq(1,3,by=0.2))

print("2.")

print(seq(10,5,by=-0.5))

print("3.")

print(seq(-1,-20,by=-2))