1)Program for checking if a given number is prime or not

puts "enter a number"

num=gets.to\_i

count=0

for i in 1..num

if num%i==0

count=count+1

end

end

if count==2

puts "Entered number is a Prime"

else

puts "Entered number is not a Prime"

end

gets

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2)factorial

def fact(x)

fact=1

for i in 1..x

fact=fact\*i

end

puts "The factorial of a given number is #{fact}"

end

fact(5)

3)fibo

begin

puts "Enter a number"

num=Integer(gets)

num1=0

num2=1

print ("#{num1}\t#{num2}")

for i in num1..num-3

c=num1+num2

num1=num2

num2=c

print "\t#{c}"

end

rescue

puts"Invalid! Please enter a number"

retry

end

gets

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def fibo(num)

num1=0

num2=1

sum=0

puts "Fibonacci series :"

print "#{num1}\t"

for i in 1..num

sum=num1+num2

num1=num2

num2=sum

print "#{sum}\t"

end

end

fibo(5)

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4)program for reversing a string

puts "Enter a string you want to reverse"

name=gets

puts name.reverse

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5)program for sorting an array

array=[4,12,4,4,2,1,3,4,5]

puts array.sort

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6)program for converting all the elements of an array to a string

array=[4,12,4,4,2,1,3,4,5]

l=array.length

for i in 0..l

print array[i]

end

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7)program for iterating every element of an array and prints a new array

array=[4,12,4,4,2,1,3,4,5]

l=array.length

for i in 0..l

s=array[i]

puts "Array #{i} is [#{s}]"

end

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8)[800, 640]

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