1. Number of trailing zero of factorial

#include <iostream>

using namespace std;

int noOfTrailingZero(int n){

int zeroCount = 0;

for(int i=5;i <= n;i = i \* 5){

zeroCount += (n/i);

}

return zeroCount;

}

int main() {

cout<<noOfTrailingZero(125);

return 0;

}

1. Number is palindrome or not

// Online C++ compiler to run C++ program online

#include <iostream>

using namespace std;

int isPalimdrome(int num){

int reverse = 0;

int temp = num;

while(num > 0){

reverse = (reverse \* 10)+(num % 10);

num /= 10;

}

return temp == reverse;

}

int main() {

cout<<isPalimdrome(121);

return 0;

}

1. Prime or not

class HelloWorld {

static boolean isPrime(int num){

for(int i=2;i\*i<=num;i++){

if(num % i == 0){

return false;

}

}

return true;

}

public static void main(String[] args) {

boolean ans = isPrime(4);

System.out.println(ans);

}

}

1. Print prime no from 1 to n

static boolean[] seiveOfEratoSthenes(int n) {  
 boolean isPrime[] = new boolean[n + 1];  
 Arrays.fill(isPrime, true);  
  
 isPrime[0] = false;  
 isPrime[1] = false;  
  
 for (int i = 2; i \* i <= n; i++) {  
 for (int j = 2 \* i; j <= n; j += i) {  
 isPrime[j] = false;  
 }  
 }  
 return isPrime;  
}

1. GCD of two number

static int gcd(int a, int b){  
 if(b == 0){  
 return a;  
 }  
 return gcd(b, a % b);  
}