

```

//*****
//Prime numbers within range

#include <iostream>
int main()
{
    for(int i=1;i<100;i++)
    {
        int flag =0;
        for(int j=1;j<i;j++)
        {
            if(j==1)
            {
                continue;
            }
            if(i%j==0)
            {
                flag =1;
                break;
            }
        }
        if(flag == 0)
        {
            std::cout<<" "<<i;
        }
    }
    return 0;
}
//*****
```

```
//count digits in a number
```

```
#include<iostream>

int main()
{
    int number,count=1;
    std::cout<<"Enter your number "<<std::endl;
    std::cin>>number;
    while(number/10>0)
    {
        number = number/10;
        count++;
    }
    std::cout<<"total number of digits "<<count<<std::endl;
    return 0;
}

// *****
```

```
// reverse a number
```

```
#include<iostream>
int main()
{
    int number;
    std::cout<<"enter the number "<<std::endl;
    std::cin>>number;
    std::cout<<"reverse of number is "<<std::endl;
    int rev=0,rem;
    while(number>0)
    {
```

```
    rem = number%10;
    number=number/10;
    rev = rev*10+rem;
}
std::cout<<rev;
return 0;
}

//
*****

//sum of digits in number
# include<iostream>
int main()
{
    int number,sum=0;
    std::cout<<"enter your number "<<std::endl;
    std::cin>>number;
    //num = number;
    while(number>0)
    {

        sum = sum+ number%10;
        number= number/10;
    }
    std::cout<<"sum of digits "<<sum<<std::endl;
    return 0;
}

//
*****

//factorial of a number
# include<iostream>
int main()
{
    int number,fact = 1;
    std::cout<<"Enter the number "<<std::endl;
    std::cin>>number;
    for(int i = number;i>0;i--)
    {
        //std::cout<<"check"<<std::endl;
        fact = fact*i;
    }
    std::cout<<"factorial is "<<fact<<std::endl;
    return 0;
}
```