

target

- 3) prime (or) not
- 4) multiple of the number
- 5) factorial of a given number.

Fibonacci's series

```
#include <iostream>
using namespace std;
int main() {
    int n, t1=0, t2=1, NextTerm=0;
    cout << "Enter the number of terms: ";
    cin >> n;
    cout << "Fibonacci series: ";
    for (int i=1; i<=n; i++) {
        if (i==1) {
            cout << t1 << ", ";
            continue;
        }
        if (i==2) {
            cout << t2 << ", ";
            continue;
        }
        NextTerm = t1 + t2;
        t1 = t2;
        t2 = NextTerm;
        cout << NextTerm << ", ";
    }
}
```

defn 0'

work a function to find the length of a string

⑦ #include <iostream>
using namespace std;
int main() {
 double num1, num2; // product, price
 cout << "Enter two numbers: ";
 cin >> num1 >> num2;
 Product = num1 * num2;
 cout << "Product = " << Product;
 return 0;
}

⑧ factorial of a number

#include <iostream>
using namespace std;
int main() {
 int n;
 long factorial = 1.0;
 cout << "Enter a positive integer: ";
 cin >> n;
 if (n < 0)
 cout << "Error! Factorial of a negative
 number doesn't exist.";
 else {
 for (int i = 1; i <= n; i++) {
 factorial *= i;
 }
 cout << "Factorial of " << n << " is " << factorial;
 }
 return 0;
}

reverse = a number

#include <iostream>

using namespace std;

int main()

int n, reversed_number = 0, remainder;

cout << "enter an integer :";

cin >> n;

while (n != 0){

remainder = n % 10;

reverse_number = reverse_number * 10 + remainder;

n /= 10;

}

cout << "reversed number = " << reverse_number;

return 0;

}

3) prime (o) not

#include <iostream>

using namespace std;

int main()

int i, n;

bool is_prime = true;

cout << "enter a positive integer :";

cin >> n;

If (n == 0 || n == 1){

is_prime = false;

for (i = 2; i <= n / 2; i++) {

If (n % i == 0){

is_prime = false;

break;

}

If (!is_prime)

cout << n << " is not a prime number";

else

cout << n << " is a prime number";

}

return 0;

" is not a prime number";