```
Roots of quadratic equation
include <cmath>
int main() {
         double a. b. c:
         double root1, root2, realPart, imgPart;
cout << " Enter the coefficients of the quadratic equation(a, b, c): ";
          cin >> a >> b >> c
         double disc = b* b - 4*a*c;
if( disc > 0) {
root1 = (- b + sqrt(disc)) / (2*a);
                root2 = (- b - sqrt(9disc))/(2*a);
cout << " Real and Imaginary roots \ n ";
                  cout << " Root 1: " << mot1 <<" \ n ":
         cout << " Root 1: << root2 << " \ n ";
} else if ( disc == 0) {
                root1 = -b / (2 * a );
cout << " Two Roots are equal \\ n ";
cout << " Root : " << root1;
         l also f
                  realPart = -b/(2*a);
                 imgPart = sqrt(-disc)/(2*a);
                cout < " Complex Roots \ n ";

cout < " Root 1: " < realPart < " + " << imgPart << "i\n";

cout << " Root 2: " < realPart < " - " << imgPart << "i\n";
Display word corresponding to a digit
 using namespace std;
int main () {
        int num:
         cout << " Input the digit to display in words : ";
cin >> num ;
         switch(num) {
                         cout << " Zero " ; break;
                case 1:
                          cout << " One ": break
                         cout << " Two ": break:
                         cout << " Three "; break;
                 case 4:
                           cout << " Four "- break
                 case 5:
                          cout << " Five ": break
                         cout << "Six"; break;
                 case 7:
                         cout << " Seven " ; break ;
                 case 8:
                         cout < < " Eight "; break;
                  case 9:
                         cout < < " Nine " ; break ;
                 default :
} return 0; }
address.html:
         <head>
                  <title> Address </title>
          <body>
                  <h2 align = "center" > Govt Tribal HSS </h2>
                  <address>
Govt Tribal HSS Sholayoor <BR>
                         Sholayoor Post <BR>
Attappadi, Mannarkkad <br>
Palakkad Dist <br/>br>
                  </address
                  <a href = "school.html"> back to school </a>
         </body>
 </html>
Unordered List Taas
         <head>
                 <title> Higher Education Institutions </title>
          <br/>body bgcolor = " Cyan ">
                  <h2> Leading Institutions in Kerala for Higher Education </h2>
                         Indian Institute of Technology, Palakkad 
                         | Alional Institute of Technology, Calicut //li>
| Alional Institute of Technology, Calicut //li>
| Indian Institute of Science Education and Research , Thiruvananthapuram //li>
| National University of Advanced Legal Studies, Cochin // li>
                          Indian Institute of Space science and Technology 
         </html>
Table of terrestrial planets
         <head>
                 <title> Terrestrial Planets </title>
         </hoad>
          <body>
                  <caption> <b> Terrestrial Planets </b>(Source NASA) </caption> 
                                   Planet 
                                  > Day Length <br> (In Earth hour) 
Year Length <br> (In Earth days) 
                                  Mercury 
                                   1408 
                                   88 
                         Vonus 
                                    5832 
                                   224.7 
                                  Earth 
                                   24 

24 

4td> 24 

24 

24 

365.26 

                           </body> </html>
```

```
Sum of n natural numbers
 using namesnace std:
        cout < < " Enter a positive integer ( n ) : " :
        int sum = 0;
        for ( int i = 1: i <= n : i ++) {
        cout <<" The sum of the first " <<n < < " natural numbers is: " << sum :
 Check integer for palindrome
 # include < iostream
using namespace std;
int main () {
        int n, num, digit, rev = 0;
        cout << " Enter a positive number : " ;
        n = num:
        while ( num > 0) {
    digit = num % 10;
    rev = ( rev * 10) + digit;
                num = num / 10:
        cout << " The reverse of the number is : " << rev:
       if ( n == rev )
cout << " \ n The number is a palindrome . ";
        else
                cout << " \ n The number is not a palindrome . ":
        return 0;
Sorting of array
#include <iostream
 using namespace std
        int heights [20], i, j, n, temp;
cout << " Enter the number of students :\ n ";
        cin >> n:
        cout << " Enter the heights of students :\ n ";
        for ( i = 0; i < n; i ++) {
    cout << " Student " << ( i + 1) << " : ";
                cin >> heights [ i ];
        for ( i =0; i < n ; i ++) {
    for ( j = i +1; j < n ; j ++) {
        if ( heights[ i ] > heights[ j ]){
                                 temp = heights[ i ];
heights[ i ] = heights[ j ];
                                 heights[ j ] = temp;
        }}} 
cout << " The Sorted Heights \ n ";
       for ( i = 0; i < n; i ++) {
    cout << heights[ i ] << " \ n ";
        return 0;
Case converter using JavaScript
        <head>
                 <title> Case Converter </title>
                 <script language = "javascript">
functionconvertToUpperCase() {
                                 var textInput = document.myForm.textInput.value;
document .myForm.textInput.value = textInput.toUpperCase();
                         functionconvertToLowerCase() {
    var textInput = document.myForm.textInput.value;
    document.myForm.textInput.value = textInput.toLowerCase();

                 </script>
        </head>
        <br/>body bgcolor = " green ">
<h2> lower case: the celebration of equality and simplicity in language and design </h2>
                 <form name = "myForm">
                         Provide a text 
                                  <input type = "button" onclick = "convertToUpperCase()" value = "ToUpperCase"> <input type = "button" onclick = "convertToLowerCase()" value = "ToLowerCase">
                         </form>
       </ body >
 </html>
 Client login page
<TITLE> LOGIN </TITLE>
        </HFAD:
         <BODY>
                <FORM:
                         <TR>
                                 <TH> Client Login </TH>
                         </TR>
                        <TR>
                                 <TD> User Name </TD>
                                  <TD> <INPUT Type = " Text "> </ TD>
                          </TR>
                         <TR>
                                 <TD> Password </TD>
<TD> <TD> <INPUT Type = " Password "> </TD>
                         </TR>
                                 <TD> <INPUT Type = "Submit" value = "Submit"> </TD>
                                 <TD> <INPUT Type = " Reset " value = "Clear"> </TD>
                          </TR>
                </TABLE>
                </FORM>
        </BODY>
</HTML>
```

```
Compute length of a string
#include <cstdio>
int main () {
         char str [50]:
         int i , length =0;
cout << " Enter the string : ";
          cin.getline( str, 50);
for ( i =0; str [ i ]!= ' \0 ';++ i )
         length ++;
cout << " Length of the string is : " << length;
           return 0; }
Compute nCr using a user-defined function
 using namespace std:
 long fact(int n) {
           long result = 1;
           for ( int i = 1; i <= n; ++ i ) {
                    result = result * i : }
return result; }
int main() {
         int n , r , ncr;
cout << " Enter the value of n and r ( positive integer ) ";
          cin >> n >> r;
         if ((n >= r) && (r >= 0)) {
ncr = fact (n) / (fact (r) * fact (n - r));
                  cout << " nCr is : " << ncr : }
                    cout << " n and r must be non - negative integers and n > r ." ;
          return 0: }
 Student record management using structure
#include <iostream:
#include <cstdio>
 using namespace std:
 struct student {
           int admNo :
          char name [25];
           int ceMark
            int peMark;
           int totalMark; };
int main() {
         student s;
cout << " Enter the student details :\ n ";
           cout << " \n Admission Number : '
         cin >> s.admNo;
cout << "\n Name: "
         cin >> ws;
gets ( s.name );
cout << " \n CE Mark : ";
          cin >> s coMark ·
           cout << " \n PE Mark : ";
         cin >> s.peMark;
         s.totalMark = s.peMark + s.ceMark;
cout << " \n The Student Details \n "
cout << " \nName : " <<s.name;
         cout << "\nName: " <<s.name;

cout << "\nAdmission No.: " << s.admNo;

cout << "\nCE Mark: " <<s.ceMark;

cout << "\nPE Mark: " <<s.peMark;

cout << "\nTotal Mark: " <<s.totalMark;

return 0;)
```

```
Integer swap operation using a user-defined function with pointer arguments
    using namespace std;
                         int t:
                            *x =*v
                          *v=t:
                          int a, b;
                          cout << " Enter the values of a and b ":
                         cin >>a >> b;
cout << " \n Before Swap \n ";
cout << " a = " <<a << " \t b = " <<b;
                         swap (& a, &b);
cout << " \n After Swap \n ";
                          cout << " a = " <<a << " \t b = " <<b;
    Sum of the squares of the first N natural numbers
    #include <iostream>
using namespace std;
  int main() {
    int num, sum =0, i;
    cout << " Enter the limit: ";
                         cin >> num;
for (i =1; i <= num; i ++)
                          sum = sum + i*i;
cout << " Sum of square: " << sum;
    Kerala tourism web page
                          <head>
                                                    <title> Kerala Tourism </title>
                            </head>
                          <br/>dody background = "mountains.jpeg" bgcolor = "Green ">
<h1 align = "center"> DEPARTMENT OF TOURISM </h1> <h2 align = "center"> Kerala State </h2> <b>
                                               Kerala <D>, in the south-western part of India, is a highly desirable tourist destination in Asia, often called <font size = "10" color = "blue "face = "Cambria"> God's Own Country. <font> <D> <Ir was recognized by National Geographic Traveller as one of the world's 50 lifetime destinations and one of the thirteen <m>
                                                  paradises on Earth, </em>
                          </body
  Hyperlinking to Various Web Pages
school.html:-
<html>
                         <head>
                                                    <title> My School </title>

/shead>
- Kobdy background = "school.jpeg">
- Kit align = "CENTER" color = "blue"> Gyr. Tribal HSS Sholayoor 
/h1> 
- Kit align = "CENTER" color = "blue"> Gyr. Tribal HSS Sholayoor 
/h1> 

<p
                                                  mountain area a renowned hill station in Kerala. The school proudly offers four distinct batches of Higher Schoolary Courses, namely Biology Science, Home Science, Commerce, and Sociology, <a href="https://doi.org/10.1007/j.ce/">https://doi.org/10.1007/j.ce/</a>. Prom first standard to veelve about 800 students are studying here. <BR> With a student body ranging from the first students are studying here. <BR> With a student body ranging from the first students are studying here. <BR> With a student body ranging from the first students are students. The students are students are students are students are students. The students are students are students are students are students are students. The students are students are students are students are students are students. The students are students are students are students are students are students. The students are students are students are students are students. The students are students are students are students are students. The students are students are students are students are students. The students are students are students are students are students. The students are students are students are students are students. The students are students are students are students are students. The students are students are students are students are students. The students are students are students are students are students are students. The students are students are students are students are students are students. The students are students are students are students are students are students are students. The students are students are students are students are students are students are students. The students are students are students are students are students
```

standard to the twelfth, we currently educate approximately 800 students. Furthermore, our school is

</body> </html>

supported by a dedicated team of about 35 staff members who work diligently to provide quality education Click here for our school address