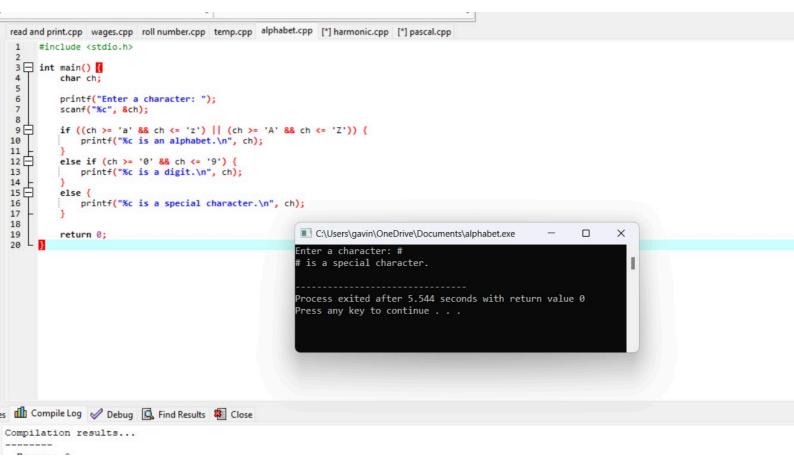
```
read and print.cpp | wages.cpp | roll number.cpp | temp.cpp | alphabet.cpp [*] harmonic.cpp | pascal.cpp
1 #include <stdio.h>
2
3 int main() {
4 int rows,
5 printf("E
6 scanf("%d
7 for(i = 0
8 for(s
9
                 main() {
int rows, coef = 1, space, i, j;
printf("Enter the number of rows: ");
scanf("%d", &rows);
for(i = 0; i < rows; i++) {
    for(space = 1; space <= rows - i; space++)
        printf(" ");
    for(j = 0; j <= i; j++) {
        if (j == 0 || i == 0)
            coef = 1;
        else</pre>
10 H
11
12
                                                                                                            C:\Users\gavin\OneDrive\Documents\pascal.exe —
                                                                                                                                                                                                    Enter the number of rows: 5
13
                                                                                                                                                                                                                       I
                               coef = coef * (i - j + 1) / j;
printf("%4d", coef);
 14
15
16
17
                        printf("\n");
18
19
20
21
                  return 0;
                                                                                                            Process exited after 4.97 seconds with return value 0
                                                                                                           Press any key to continue \dots
```

```
read and print.cpp wages.cpp roll number.cpp temp.cpp alphabet.cpp [*] harmonic.cpp [*] pascal.cpp
      #include <stdio.h>
 3 = int main() {
 4
           float temp;
 5
            printf("Enter temperature in centigrade: ");
scanf("%f", &temp);
 6 7
 8
 9 🖨
            if (temp < 0) {
                                                                            C:\Users\gavin\OneDrive\Documents\temp.exe
                                                                                                                                        X
10
                printf("Freezing weather\n");
11
              else if (temp >= 0 && temp < 10) {
                                                                            Enter temperature in centigrade: 42
12
                printf("Very cold weather\n");
                                                                            It's very hot
13
            } else if (temp >= 10 && temp < 20) {
            printf("Cold weather\n");
} else if (temp >= 10 && temp < 20) {
printf("Cold weather\n");
} else if (temp >= 20 && temp < 30) {
printf("Normal in Temp\n");
14
15
                                                                            Process exited after 5.3 seconds with return value 0
16
                                                                            Press any key to continue . . .
            } else if (temp >= 30 && temp < 40) {
17
                printf("It's hot\n");
18
19
20
                printf("It's very hot\n");
21
22
23
            return 0;
24
```



```
read and print.cpp wages.cpp roll number.cpp temp.cpp alphabet.cpp [*] harmonic.cpp pascal.cpp arrays.cpp

#include <stdio.h>

#include <stdio.h>

int main() [
    int arr1[] = {1, 2, 3};
    int arr2[] = {4, 5, 6};
    int n = sizeof(arr1) / sizeof(int);
    int n = sizeof(arr2) / sizeof(int);
    int n = sizeof(arr2) / sizeof(int);
    int in = sizeof(arr2) / sizeof(arr2) / sizeof(int);
    int in = sizeof(arr2) / sizeof(
```

obals)

```
SCAUSers\9196\Documents\9. \times = \times \text{ | CAUSERS\9196\Documents\9. \times | CAUSERS\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Documents\9196\Docume
```

```
1.CLASSWORK 5.cpp ×
1 #include <stdio.h>
3 ☐ int main() {
        int age;
4
 5
 6
        printf("Enter your age: ");
 7
        scanf("%d", &age);
 8
        if (age >= 18) {
 9 📮
10
           printf("Congratulations! You are eligible to cast your own vote.\n");
11
        } else {
12
           printf("Sorry, you are not eligible to cast your own vote.\n");
13
14
                                                                                       X
                                                                                  © C:\Users\91961\Documents\1.0 ×
15
        return 0;
16
                          Enter your age: 21
                          Congratulations! You are eligible to cast your own vote
                          Process exited after 18.82 seconds with return value 0
                          Press any key to continue . . .
```

```
10.CLASSWORK 5.cpp ×
1 #include <stdio.h>
2 #include <ctype.h>
3
4 ☐ int main() {
5
       char sentence[1000];
                                                                                                                         6
       int i;
                                                               \blacksquare C:\Users\91961\Documents\10 	imes + 	imes
7
       printf("Enter a sentence: ");
                                                             Enter a sentence: This Is A Test String Modified sentence: tHIS iS a tEST sTRING
8
9
       fgets(sentence, 1000, stdin);
10
       for (i = 0; sentence[i] != '\0'; i++) {
11 🛱
           if (islower(sentence[i]))
12
                                                             Process exited after 110.3 seconds with return value 0
             sentence[i] = toupper(sentence[i]);
13
           else if (isupper(sentence[i]))
14
                                                             Press any key to continue . . .
15
            sentence[i] = tolower(sentence[i]);
16
17
18
       printf("Modified sentence: %s", sentence);
19
20
        return 0;
21 }
```

```
11.classwork 5.cpp X
1 #include <stdio.h>
#include <stato.no
#include <string.h>

#int main() {

char str[100];

int count[256] = {0}; // Initialize the count array to zero
                                                                                                                                  © C:\Users\91961\Documents\11 × + ~
             printf("Enter a string: ");
fgets(str, sizeof(str), stdin);
 8
                                                                                                                                Enter a string: way2sms.com
                                                                                                                                Character count:
10
             // Count the occurrences of each character in the string
for (int i = 0; i < strlen(str); i++) {
    count[(int)str[i]]++;
}</pre>
11
12 🛱
                                                                                                                               .: 1
2: 1
a: 1
c: 1
m: 2
o: 1
s: 2
w: 1
y: 1
13
14
15
16
17
18 =
19 =
             // Print the count of each character
printf("Character count:\n");
for (int i = 0; i < 256; i++) {
   if (count[i] > 0) {
      printf("%c: %d\n", i, count[i]);
   }
20
21
22
23
             return 0;
24 25
                                                                                                                                Process exited after 31.77 seconds with return value 0 Press any key to continue . . . \mid
urces 🔓 Compile Log 📵 Debua 🔘 Find Results 🇁 Console 🖳 Close
```

```
12.classwork 5.cpp X
1 #include <stdio.h>
2 #include <string.h>
3 #include <ctype.h>
4
 5
    int main()
                                                                                                                          6 早 {
                                                        ©\ C:\Users\91961\Documents\12 ×
 7
        char str[100];
 8
        int i, j;
                                                       Enter a string: way2sms.com
 9
                                                       The string after removing non-alphabetic characters: waysmscom
10
        printf("Enter a string: ");
        fgets(str, sizeof(str), stdin);
11
12
                                                       Process exited after 25.26 seconds with return value \theta
         for(i = 0, j = 0; i < strlen(str); i++)</pre>
13
                                                       Press any key to continue . . .
14 🗐
15
            if(isalpha(str[i]))
16 🗐
                str[j] = str[i];
17
18
19
20
         str[j] = '\0';
21
23
        printf("The string after removing non-alphabetic characters: %s", str);
24
25
        return 0;
26
```

```
14.CLASSWORK 5.cpp ×
  1 #include <stdio.h>
  2
 3 int gcd(int a, int b);
  4
  5 pint main() {
  6
          int num1, num2;
          printf("Enter two numbers: ");
scanf("%d %d", &num1, &num2);
printf("GCD of %d and %d is %d", num1, num2, gcd(num1, num2));
  7
  8
  9
10
          return 0;
11 \ }
12
                                                           © C:\Users\91961\Documents\14 ×
13 pint gcd(int a, int b) {
                                                          Enter two numbers: 10
14 □
          if (b == 0) {
                                                          50
15
               return a;
                                                          GCD of 10 and 50 is 10
16
17
          return gcd(b, a % b);
                                                          Process exited after 20.53 seconds with return value 0
18 |
                                                          Press any key to continue . . .
```

```
7.CLASSWORK 5.cpp ×
  1 #include <stdio.h>
2 #include <stdib.h>
                                                                                                                         ©\ C:\Users\91961\Documents\7. × + ~
Enter the order of the matrix A
              int a[10][10], b[10][10];
int i, j, row1, column1, row2, column2, flag = 1;
                                                                                                                       2 2
           printf("Enter the order of the matrix A \n");
scanf("%d %d", &row1, &column1);
                                                                                                                       Enter the order of the matrix B
                                                                                                                       2 2
Enter the elements of matrix A
              printf("Enter the order of the matrix B \n");
scanf("%d %d", &row2, &column2);
             printf(Enter the elements of matrix A \n");

for (i = 0; i < read; i+);

for (j = 0; j < column1; j++);

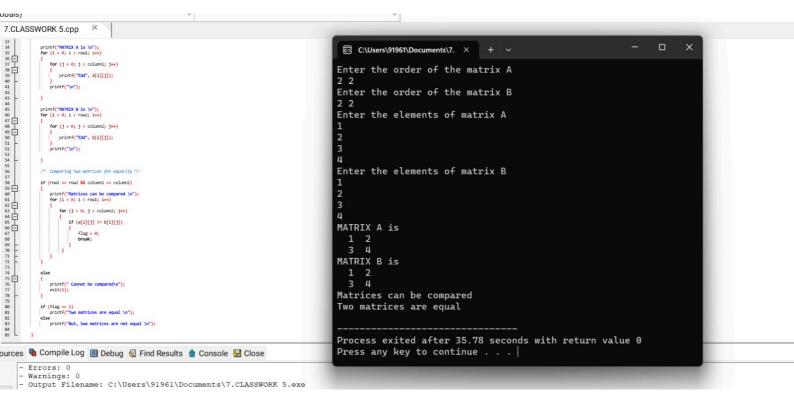
column1; from (i = 0; i < column1; j+-);

scanf("Md", &a[i][j]);

}
              Enter the elements of matrix B
              for (j = 0; j < column2; j++)

scanf("Md", &b[i][j]);

}
                                                                                                                       2
                                                                                                                       4
                                                                                                                       MATRIX A is
                 for (j = 0; j < column1; j++)
{
    printf("%3d", a[i][j]);</pre>
                                                                                                                        MATRIX B is
               printf("\n");
              printf("MATRIX B is \n");
for (i = 0; i < row2; i++)</pre>
                                                                                                                       Matrices can be compared
Two matrices are equal
                 for (j = 0; j < column2; j++)
{
    printf("%3d", b[i][j]);
}
printf("\n");</pre>
                                                                                                                       Process exited after 35.78 seconds with return value \theta
                                                                                                                        Press any key to continue . . .
sources 🖣 Compile Log 📵 Debug 🕲 Find Results 🍵 Console 🖳 Close
- Errors: 0
```



```
1 #include <stdio.h>
2
3 int isPrime(int n, int i);
5 ☐ int main() {
                                                                                                 © C:\Users\91961\Documents\16 × + ~
6
7
8
            int num;
                                                                                               Enter a positive integer: 7 7 is a prime number.
             printf("Enter a positive integer: ");
scanf("%d", &num);
 9
10
11 = 12 13 14
             if (isPrime(num, num/2) == 1) {
   printf("%d is a prime number.\n", num);
} else {
   printf("%d is not a prime number.\n", num);
}
                                                                                               Process exited after 14.12 seconds with return value 0
                                                                                              Press any key to continue . . .
15
16
17
18 }
             return 0;
19
20 ☐ int isPrime(int n, int i) {
            t isPrime(int n, int i) {
   if (i == 1) {
      return 1;
   } else {
      if (n % i == 0) {
        return 0;
   } else {
        return isPrime(n, i-1);
   }
}
21 E
22
23
24 🗐
25
26
27
28
28
29
30
```

16.CLASSWORK 5.cpp ×