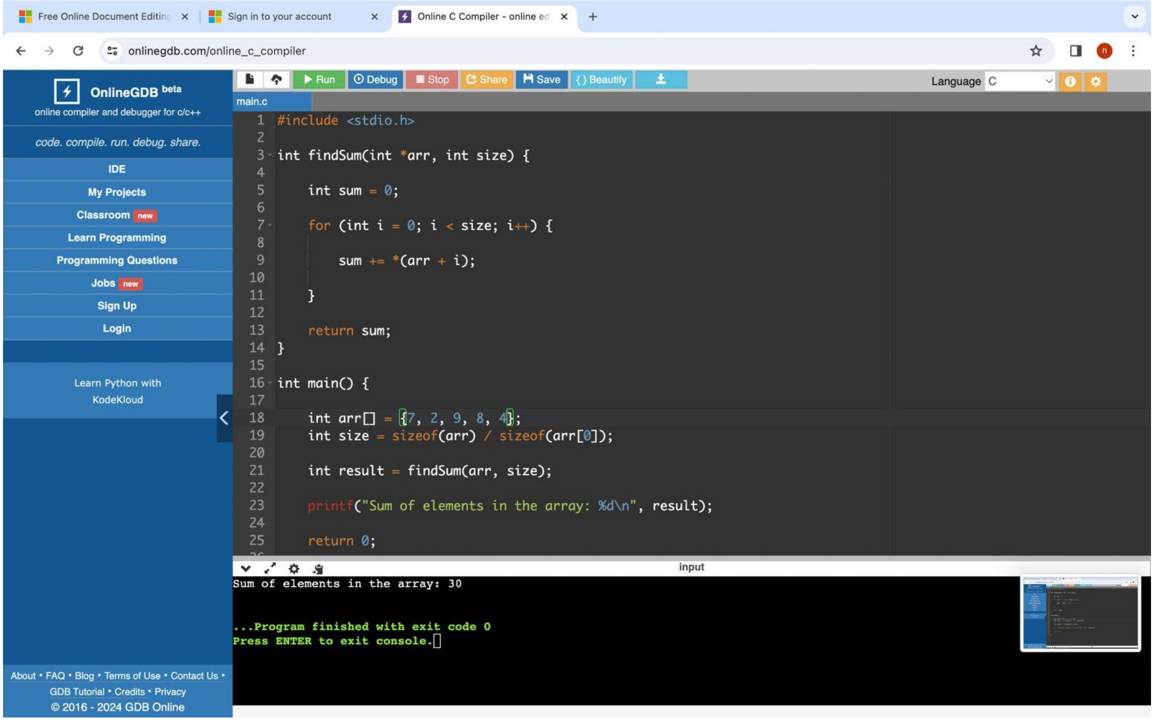
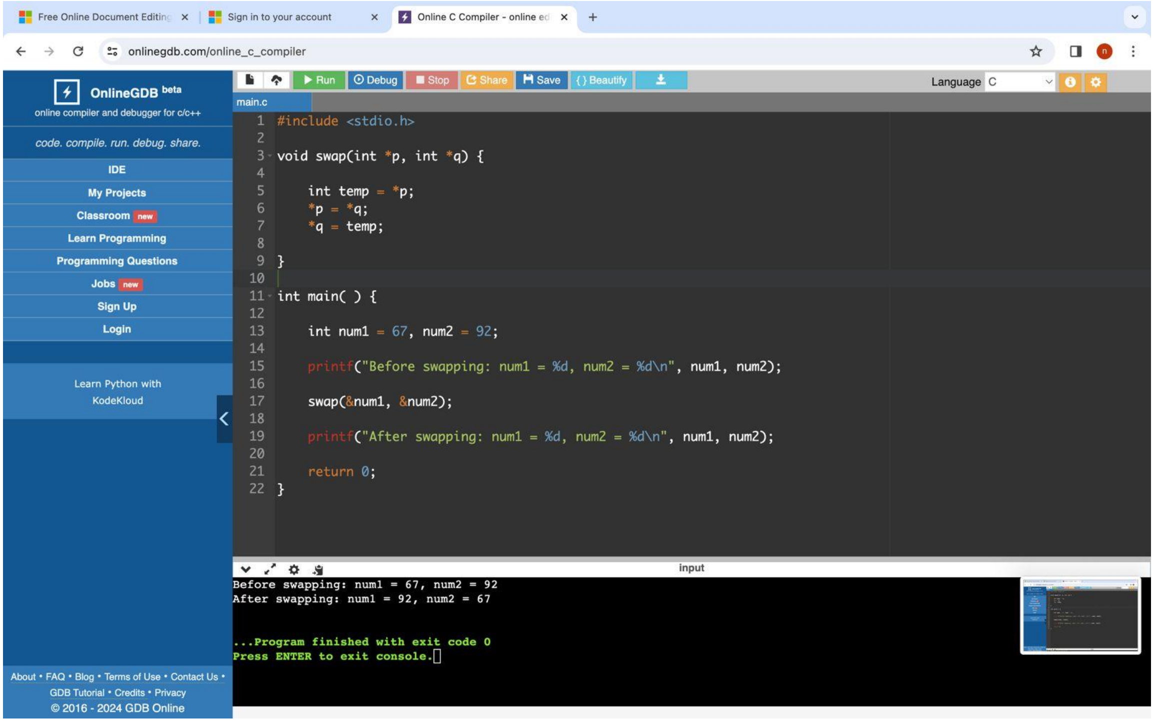
```
  1.  #include <stdio.h>

int findSum(int *arr, int size) {

    int sum = 0;

    for (int i = 0; i < size; i++) {

        sum += *(arr + i);

    }

    return sum;
}

int main() {

    int arr[] = {7, 2, 9, 8, 4};     int size = sizeof(arr) /

sizeof(arr[0]);     int result = findSum(arr, size);     printf("Sum

of elements in the array: %d\n", result);

    return 0;

}
```


Free Online Document Editing
Sign in to your account
Online C Compiler - online ed
onlinegdb.com/online_c_compiler
OnlineGDB beta
online compiler and debugger for c/c++
code. compile. run. debug. share.
IDE
My Projects
Classroom new
Learn Programming
Programming Questions
Jobs new
Sign Up
Login
Learn Python with KodeKloud
About • FAQ • Blog • Terms of Use • Contact Us • GDB Tutorial • Credits • Privacy
© 2016 - 2024 GDB Online
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
main.c
input

```
#include <stdio.h>

int findSum(int *arr, int size) {

    int sum = 0;

    for (int i = 0; i < size; i++) {

        sum += *(arr + i);

    }

    return sum;
}

int main() {

    int arr[] = {7, 2, 9, 8, 4};
    int size = sizeof(arr) / sizeof(arr[0]);

    int result = findSum(arr, size);

    printf("Sum of elements in the array: %d\n", result);

    return 0;
```

```
Sum of elements in the array: 30


...Program finished with exit code 0
Press ENTER to exit console.
```

```
  2. #include <stdio.h> 3.
   void swap(int *p, int *q) { 5.
  int temp = *p;
  *p = *q;8.    *q = temp; 9.
 }
 int main( ) {

int num1 = 67, num2 = 92;
 printf("Before swapping: num1 = %d, num2 = %d\n", num1, num2);
swap(&num1, &num2);
 printf("After swapping: num1 = %d, num2 = %d\n", num1, num2);
return 0;
           }
```

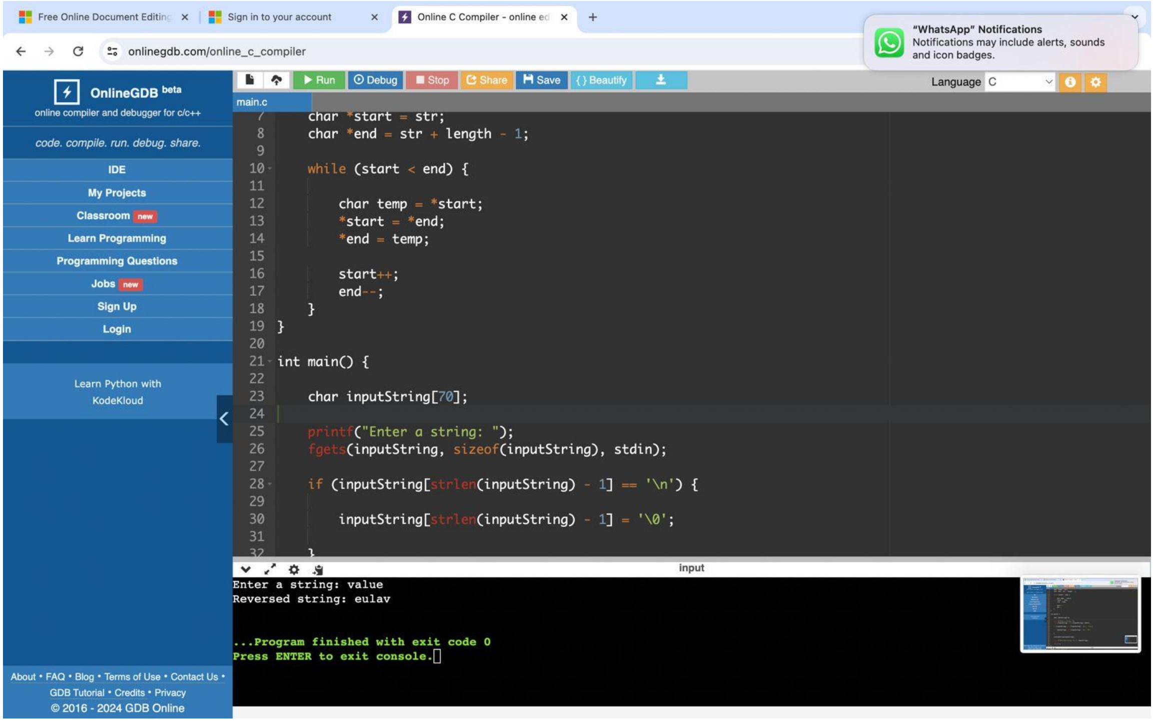

Free Online Document Editing
Sign in to your account
Online C Compiler - online ed
onlinegdb.com/online_c_compiler
OnlineGDB beta
online compiler and debugger for c/c++
code. compile. run. debug. share.
IDE
My Projects
Classroom new
Learn Programming
Programming Questions
Jobs new
Sign Up
Login
Learn Python with KodeKloud
About • FAQ • Blog • Terms of Use • Contact Us • GDB Tutorial • Credits • Privacy
© 2016 - 2024 GDB Online
Run
Debug
Stop
Share
Save
{} Beautify
main.c
input

Language C

```
#include <stdio.h>

void swap(int *p, int *q) {

    int temp = *p;
    *p = *q;
    *q = temp;

}

int main( ) {

    int num1 = 67, num2 = 92;

    printf("Before swapping: num1 = %d, num2 = %d\n", num1, num2);

    swap(&num1, &num2);

    printf("After swapping: num1 = %d, num2 = %d\n", num1, num2);

    return 0;
}
```

```
Before swapping: num1 = 67, num2 = 92
After swapping: num1 = 92, num2 = 67


...Program finished with exit code 0
Press ENTER to exit console.
```

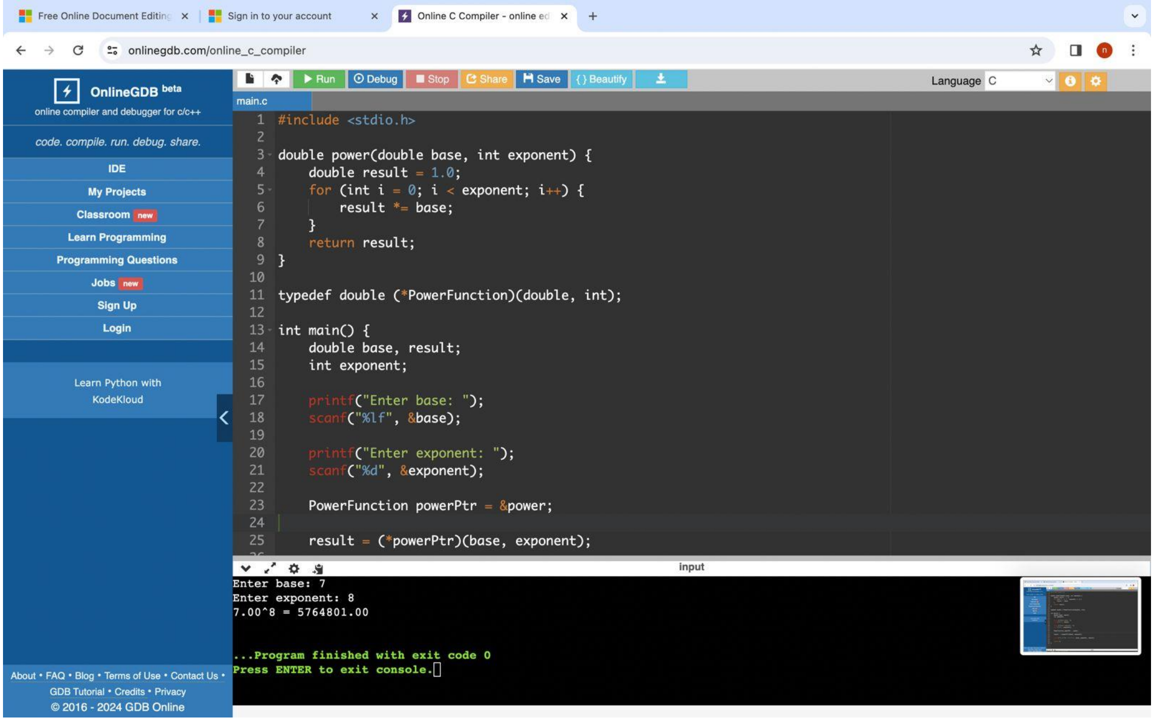
```
  3.     #include     <stdio.h>
  #include <string.h>
  void reverseString(char *str) {
  int length = strlen(str);
  char *start = str;
  char *end = str + length - 1;
 while (start < end) {
  char temp = *start;
  *start = *end;
  *end = temp;
  start++;
  end--;
  }
  }
int min() {

  char inputString[70];
        printf("Enter a string: ");
        fgets(inputString, sizeof(inputString), stdin);
if (inputString[strlen(inputString) - 1] == '\n') {
     inputString[strlen(inputString) - 1] = '\0';
  }
  reverseString(inputString);
  printf("Reversed string: %s\n", inputString);

        return 0;
        }
```


Free Online Document Editing
Sign in to your account
Online C Compiler - online ed
onlinegdb.com/online_c_compiler
"WhatsApp" Notifications
Notifications may include alerts, sounds and icon badges.
OnlineGDB beta
online compiler and debugger for c/c++
code. compile. run. debug. share.
IDE
My Projects
Classroom new
Learn Programming
Programming Questions
Jobs new
Sign Up
Login
Learn Python with KodeKloud
About • FAQ • Blog • Terms of Use • Contact Us • GDB Tutorial • Credits • Privacy
© 2016 - 2024 GDB Online
Run
Debug
Stop
Share
Save
{} Beautify
Language C
main.c
input

```
    char *start = str;
    char *end = str + length - 1;

    while (start < end) {

        char temp = *start;
        *start = *end;
        *end = temp;

        start++;
        end--;
    }
}

int main() {

    char inputString[70];

    printf("Enter a string: ");
    fgets(inputString, sizeof(inputString), stdin);

    if (inputString[strlen(inputString) - 1] == '\n') {

        inputString[strlen(inputString) - 1] = '\0';

    }
```

```
Enter a string: value
Reversed string: eulav


...Program finished with exit code 0
Press ENTER to exit console.
```

```
  4. #include <stdio.h> 5.
             double power(double base, int exponent) {
             double result = 1.0;
             for (int i = 0; i < exponent; i++) {
             result *= base;
             }
             return result;. }
typedef double (*PowerFunction)(double, int);
      int main() {
      double base, result;18.    int exponent; 1
  printf("Enter base: ");
  scanf("%lf", &base);
 printf("Enter exponent: ");
scanf("%d", &exponent);
  PowerFunction powerPtr = &power;
   result = (*powerPtr)(base, exponent);
  printf("%.2lf^%d = %.2lf\n", base, exponent, result);
  return 0;

}
```

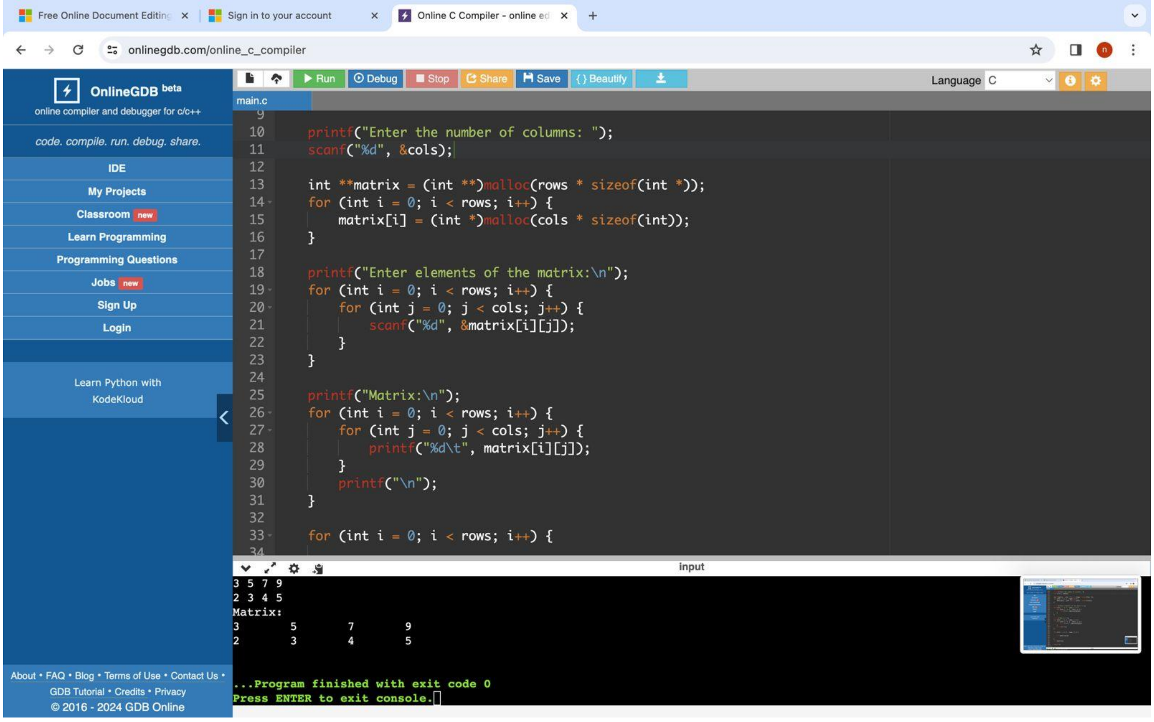

Free Online Document Editing
Sign in to your account
Online C Compiler - online ed
onlinegdb.com/online_c_compiler
OnlineGDB beta
online compiler and debugger for c/c++
code. compile. run. debug. share.
IDE
My Projects
Classroom new
Learn Programming
Programming Questions
Jobs new
Sign Up
Login
Learn Python with KodeKloud
About • FAQ • Blog • Terms of Use • Contact Us • GDB Tutorial • Credits • Privacy
© 2016 - 2024 GDB Online
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
main.c
input

```
#include <stdio.h>

double power(double base, int exponent) {
    double result = 1.0;
    for (int i = 0; i < exponent; i++) {
        result *= base;
    }
    return result;
}

typedef double (*PowerFunction)(double, int);

int main() {
    double base, result;
    int exponent;

    printf("Enter base: ");
    scanf("%lf", &base);

    printf("Enter exponent: ");
    scanf("%d", &exponent);

    PowerFunction powerPtr = &power;

    result = (*powerPtr)(base, exponent);
```

```
Enter base: 7
Enter exponent: 8
7.00^8 = 5764801.00


...Program finished with exit code 0
Press ENTER to exit console.
```

```
 5.       #include<stdio.h>
  #include <stdlib.h>
  int main( ) {    int
rows, cols; .
          printf("Enter the number of rows: ");
          scanf("%d", &rows);

  printf("Enter the number of columns: ");
scanf("%d", &cols);
              int **matrix = (int **)malloc(rows * sizeof(int *));
              for (int i = 0; i < rows; i++) {
              matrix[i] = (int *)malloc(cols * sizeof(int));
              }
                  printf("Enter elements of the matrix:\n");
                  for (int i = 0; i < rows; i++) {
                  for (int j = 0; j < cols; j++) {
```

```
            scanf("%d", &matrix[i][j]);
            }
            }28.
            printf("Matrix:\n");
            for (int i = 0; i < rows; i++) {
            for (int j = 0; j < cols; j++) {
            printf("%d\t", matrix[i][j]);
            }
            printf("\n");
            }
       for (int i = 0; i < rows; i++) {

      free(matrix[i]);

 }
         free(matrix);
         return 0;
         }
```


Free Online Document Editing
Sign in to your account
Online C Compiler - online ed
onlinegdb.com/online_c_compiler
OnlineGDB beta
online compiler and debugger for c/c++
code. compile. run. debug. share.
IDE
My Projects
Classroom new
Learn Programming
Programming Questions
Jobs new
Sign Up
Login
Learn Python with KodeKloud
About • FAQ • Blog • Terms of Use • Contact Us • GDB Tutorial • Credits • Privacy
© 2016 - 2024 GDB Online
Run
Debug
Stop
Share
Save
{} Beautify
Language C
main.c
input

```
    printf("Enter the number of columns: ");
    scanf("%d", &cols);

    int **matrix = (int **)malloc(rows * sizeof(int *));
    for (int i = 0; i < rows; i++) {
        matrix[i] = (int *)malloc(cols * sizeof(int));
    }

    printf("Enter elements of the matrix:\n");
    for (int i = 0; i < rows; i++) {
        for (int j = 0; j < cols; j++) {
            scanf("%d", &matrix[i][j]);
        }
    }

    printf("Matrix:\n");
    for (int i = 0; i < rows; i++) {
        for (int j = 0; j < cols; j++) {
            printf("%d\t", matrix[i][j]);
        }
        printf("\n");
    }

    for (int i = 0; i < rows; i++) {
```

```
3 5 7 9
2 3 4 5
Matrix:
3       5       7       9
2       3       4       5


...Program finished with exit code 0
Press ENTER to exit console.
```