

```
1  #include <stdio.h>
2
3  int square(int x) {
4      return x * x;
5  }
6
7  int main() {
8      int i;
9      i = 64 / square(4);
10     printf("%d\n", i);
11     return 0;
12 }
13
```

```
1  #include<stdio.h>
2  void main(){
3      int i=3,val;
4      val=sizeof f(i)+ +f(i=1)+ +f(i-1);
5      printf("%d %d",val,i);
6  }
7  int f(int num){
8      return num*5;
9  }
10
```

Line	Col	File	Message
2	11	C:\Users\prabh\Documents\c programming\assignment...	[Error] '::main' must return 'int'
		C:\Users\prabh\Documents\c programming\assignment...	In function 'int main()':
4	16	C:\Users\prabh\Documents\c programming\assignment...	[Error] 'f' was not declared in this scope

C:\Users\prabh\Documents\c programming\Untitled1.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

```
1 #include<stdio.h>
2 int main()
3 {
4     int i,fact=1,num;
5     printf("Enter as number");
6     scanf("%d",&num);
7     for(i=1;i<=num;i++)
8     {
9         fact=fact*i;
10    }
11    printf("factorial of %d is %d",num,fact);
12    return (0);
13 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\prabh\Documents\c programming\Untitled1.exe
- Output Size: 128.1015625 KiB
- Compilation Time: 0.69s

Line: 5 Col: 31 Sel: 0 Lines: 13 Length: 211 Insert Done parsing in 0.016 seconds

```
-----  
Process exited after 0.02229 seconds with return value 0  
Press any key to continue . . . |
```

```
-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\prabh\Documents\c programming\assignment 3(1).exe  
- Output Size: 127.951171875 KiB  
- Compilation Time: 0.44s
```

```
1  #include<stdio.h>
2
3  int main(){
4      int arr[]={6,12,18,24};
5      int x=0;
6      x=arr[1]+(arr[1]-2);
7      printf("%d",x);
8      return 0;
9  }
```

Abort Compilation

Compilation results...

-----

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\prabh\Documents\c programming\assignment 3(1).exe
- Output Size: 127.951171875 KiB
- Compilation Time: 0.44s



Search

ENG  
IN08:52  
22-03-2023

```
1  #include<stdio.h>;
2  #include<conio.h>;
3  float avg(float,float,float);
4  void main(){
5      float p=1,q=2,r=-2,a;
6      a=avg(p,(q=4,r=-12,q),r);
7      printf("f8quot;f8quot;,a);
8  }
9  float avg(float x,float y,float z){
10     return (x+y+z)/3;
11 }
```



```
1  #include <stdio.h>
2
3  void display(char *string);
4
5  int main() {
6      char string[] = "Hello World";
7      display(string);
8      return 0;
9  }
10
11 void display(char *string) {
12     printf("%s", string);
13 }
14
```

```
1  #include<stdio.h>
2  void main(){
3      int i=3,val;
4      val=sizeof f(i)+ +f(i=1)+ +f(i-1);
5      printf("%d %d",val,i);
6  }
7  int f(int num){
8      return num*5;
9  }
10 |
```

Line	Col	File	Message
2	11	C:\Users\prabh\Documents\c programming\assignmen...	[Error] '::main' must return 'int'
		C:\Users\prabh\Documents\c programming\assignme...	In function 'int main()':
4	16	C:\Users\prabh\Documents\c programming\assignmen...	[Error] 'f' was not declared in this scope



```
1  #include <stdio.h>
2
3  int main() {
4      int n = 5;
5      for(int i=1; i<=n; i++) {
6          for(int j=1; j<=i; j++) {
7              printf("%d", j);
8          }
9          printf("\n");
10     }
11     return 0;
12 }
13
```

```
1  #include <stdio.h>
2
3  void main() {
4      float c[] = {2.8, 3.4, 4, 6.7, 5};
5      int j, *p = c, *g = c;
6
7      for(j = 0; j < 5; j++) {
8          printf("%d ", *(c+j));
9      }
10     printf("\n");
11
12     for(j = 0; j < 5; j++) {
13         printf("%d ", *(p+j));
14         p++;
15     }
16     printf("\n");
17
18     return 0;
19 }
20
```

```
1  #include <stdio.h>
2
3  int main() {
4      int arr[] = {1, 3, 5, 7, 9};
5      int N = sizeof(arr) / sizeof(arr[0]); // Number of elements in the array
6      int X = 5; // Element to search for
7      int i;
8      for (i = 0; i < N; i++) {
9          if (arr[i] == X) {
10             printf("Index of first occurrence of %d is %d\n", X, i);
11             break;
12         }
13     }
14     if (i == N) {
15         printf("%d not found in the array\n", X);
16     }
17     return 0;
18 }
19
```

```
1  #include <stdio.h>
2
3  int main() {
4      int x = 5;
5      int *p = &x;
6      (*p)++;
7      printf("%d\n", x);
8      return 0;
9  }
10
```

Abort Compilation

☐ Shorten compiler paths

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\prabh\Documents\c programming\assignment 3(4).exe
- Output Size: 127.951171875 KiB
- Compilation Time: 0.41s
```

```
1  #include <stdio.h>
2  #include <string.h>
3
4  typedef struct stu {
5      char name1[6];
6      char name2[6];
7      double marks;
8  } STU;
9
10 char main() {
11     STU s = {"rohit", "kumar", 87.43};
12     STU *p = &s;
13     char *q = memchr(p, 'u', sizeof(STU));
14     printf("%s\n", q);
15     return 0;
16 }
17
```