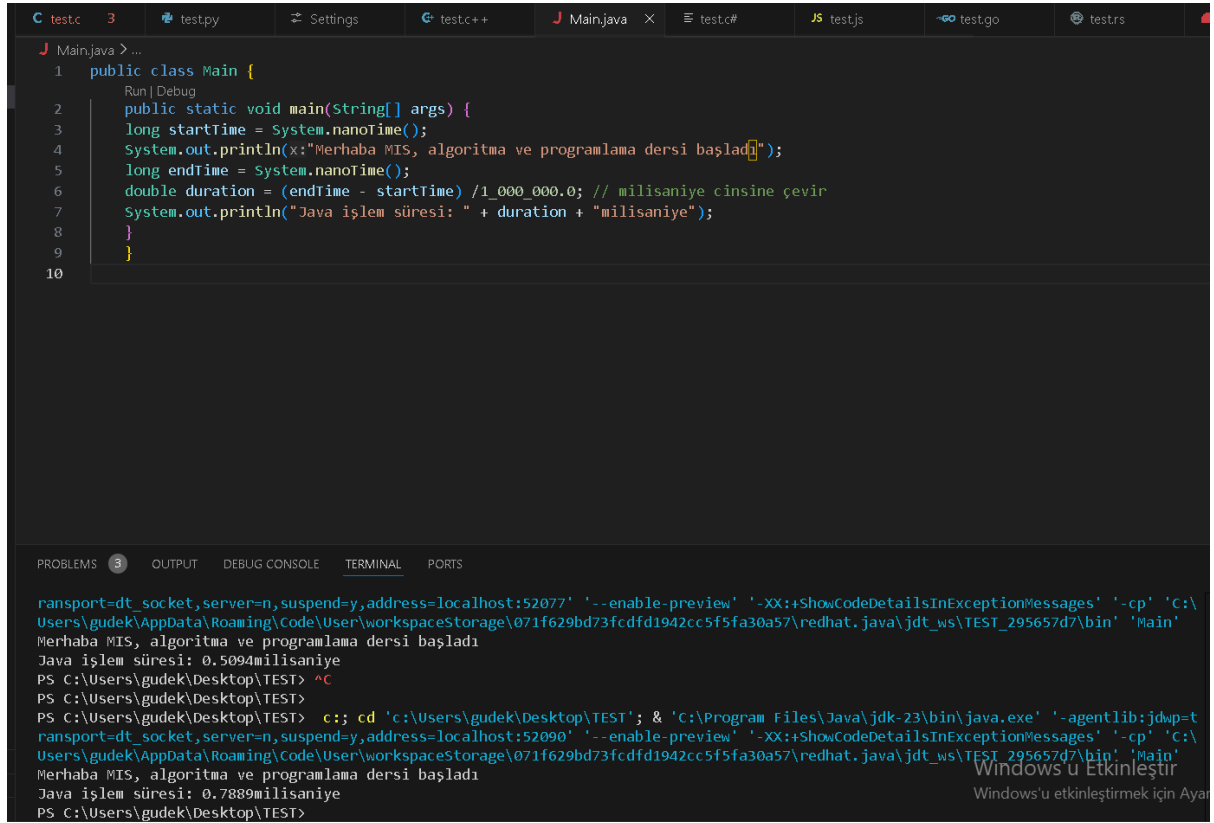


## JAVA



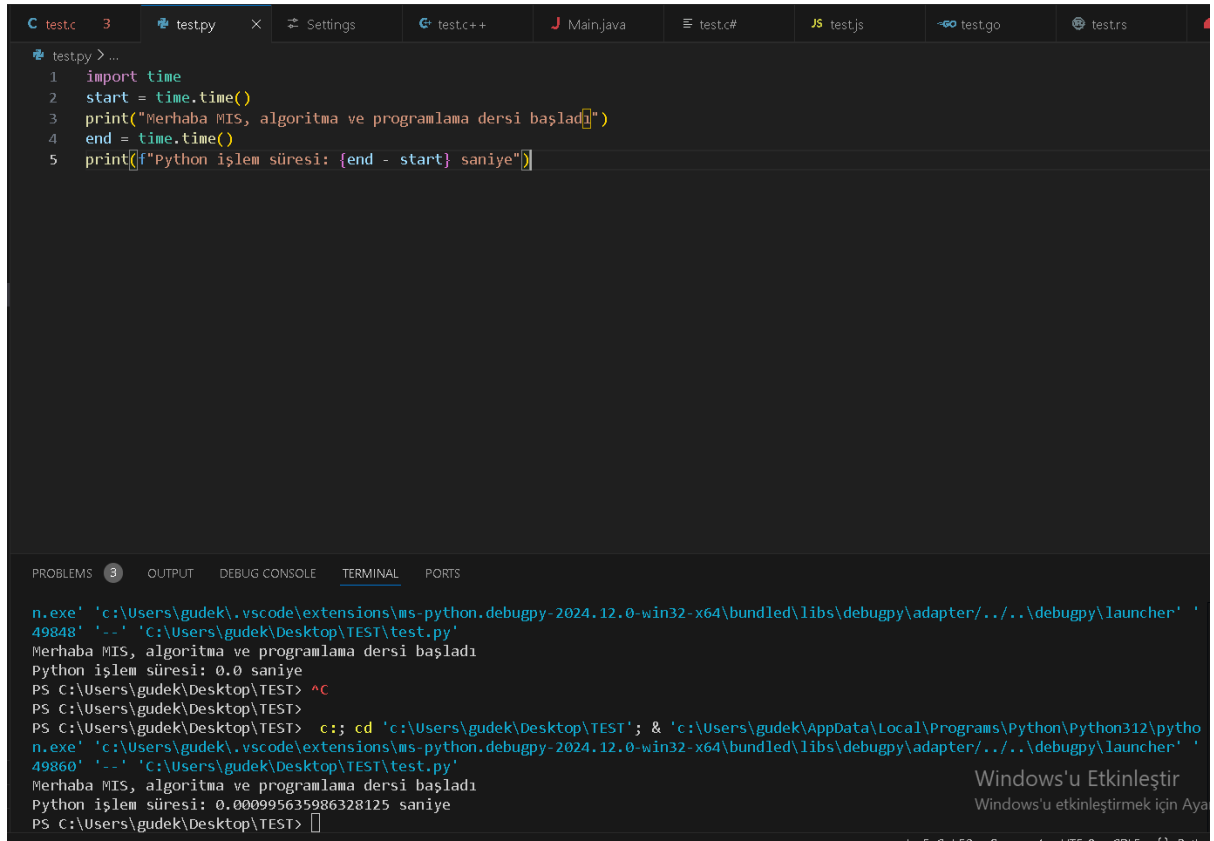
```
1 public class Main {
2     public static void main(String[] args) {
3         long startTime = System.nanoTime();
4         System.out.println(x:"Merhaba MIS, algoritma ve programlama dersi başladı");
5         long endTime = System.nanoTime();
6         double duration = (endTime - startTime) / 1_000_000.0; // milisaniye cinsine çevir
7         System.out.println("Java işlem süresi: " + duration + "milisaniye");
8     }
9 }
10
```

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
ransport=dt_socket,server=n,suspend=y,address=localhost:52077' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\
Users\gudek\AppData\Roaming\Code\User\workspaceStorage\071f629bd73fcd1942cc5f5fa30a57\redhat.java\jdt_ws\TEST_295657d7\bin' 'Main'
Merhaba MIS, algoritma ve programlama dersi başladı
Java işlem süresi: 0.5094milisaniye
PS C:\Users\gudek\Desktop\TEST> ^C
PS C:\Users\gudek\Desktop\TEST>
PS C:\Users\gudek\Desktop\TEST> c; cd 'c:\Users\gudek\Desktop\TEST'; & 'C:\Program Files\Java\jdk-23\bin\java.exe' '-agentlib:jdwp=t
ransport=dt_socket,server=n,suspend=y,address=localhost:52090' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\
Users\gudek\AppData\Roaming\Code\User\workspaceStorage\071f629bd73fcd1942cc5f5fa30a57\redhat.java\jdt_ws\TEST_295657d7\bin' 'Main'
Merhaba MIS, algoritma ve programlama dersi başladı
Java işlem süresi: 0.7889milisaniye
PS C:\Users\gudek\Desktop\TEST>
```

Windows'u etkinleştirmek için Ayarlar

# PYTHON



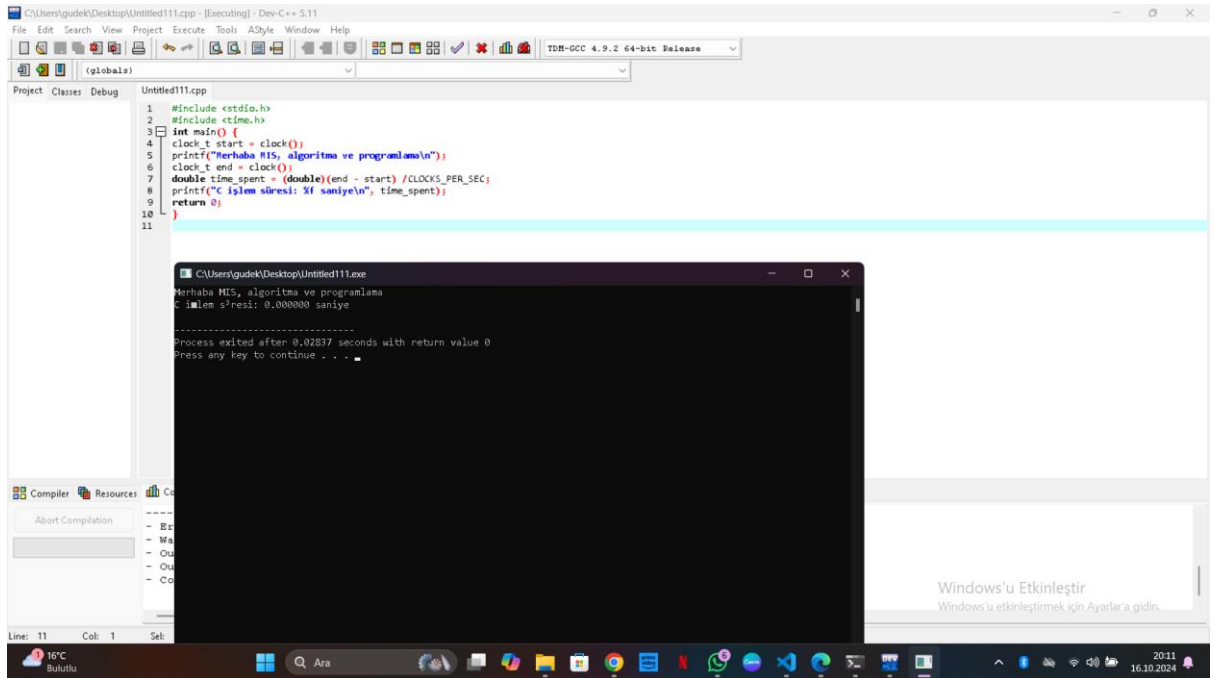
The screenshot shows a VS Code editor with a Python file named `testpy`. The code is as follows:

```
1 import time
2 start = time.time()
3 print("Merhaba MIS, algoritma ve programlama dersi başladı")
4 end = time.time()
5 print(f"Python işlem süresi: {end - start} saniye")
```

The terminal output shows the execution of the script:

```
n.exe' 'c:\Users\gudek\.vscode\extensions\ms-python.debugpy-2024.12.0-win32-x64\bundled\libs\debugpy\adapter\...\debugpy\launcher' '
49848' '--' 'c:\Users\gudek\Desktop\TEST\test.py'
Merhaba MIS, algoritma ve programlama dersi başladı
Python işlem süresi: 0.0 saniye
PS C:\Users\gudek\Desktop\TEST> ^C
PS C:\Users\gudek\Desktop\TEST>
PS C:\Users\gudek\Desktop\TEST> c:: cd 'c:\Users\gudek\Desktop\TEST'; & 'c:\Users\gudek\AppData\Local\Programs\Python\Python312\python
n.exe' 'c:\Users\gudek\.vscode\extensions\ms-python.debugpy-2024.12.0-win32-x64\bundled\libs\debugpy\adapter\...\debugpy\launcher' '
49860' '--' 'c:\Users\gudek\Desktop\TEST\test.py'
Merhaba MIS, algoritma ve programlama dersi başladı
Python işlem süresi: 0.000995635986328125 saniye
PS C:\Users\gudek\Desktop\TEST>
```

# C



The screenshot shows the Dev-C++ IDE with a C program named `Untitled111.c`. The code is as follows:

```
1 #include <stdio.h>
2 #include <time.h>
3 int main() {
4     clock_t start = clock();
5     printf("Merhaba MIS, algoritma ve programlama\n");
6     clock_t end = clock();
7     double time_spent = (double)(end - start) / CLOCK_PER_SEC;
8     printf("C işlem süresi: %f saniye\n", time_spent);
9     return 0;
10 }
11
```

The console window shows the execution output:

```
Merhaba MIS, algoritma ve programlama
C işlem süresi: 0.000000 saniye
Process exited after 0.0237 seconds with return value 0
Press any key to continue . . .
```

# C#

Main.cs	Output
<pre>1- using System; 2 using System.Diagnostics; 3 class Program 4 { 5 static void Main() 6 { 7 Stopwatch stopwatch = new Stopwatch(); 8 stopwatch.Start(); 9 Console.WriteLine("Merhaba MIS, algoritma ve programlama dersi     başladı"); 10 stopwatch.Stop(); 11 Console.WriteLine(\$"C# işlem süresi: {stopwatch.Elapsed.TotalSeconds}     saniye"); 12 } 13 }</pre>	<pre>mono /tmp/fd40u77QnY.exe Merhaba MIS, algoritma ve programlama dersi ba?lad? C# i?lem s?resi: 0.0164696 saniye  === Code Execution Successful ===</pre>

## GO

main.go	Output
<pre>1 package main 2 import ( 3     "fmt" 4     "time" 5 ) 6 func main() { 7     start := time.Now() 8     fmt.Println("Merhaba MIS, algoritma ve programlama") 9     elapsed := time.Since(start) 10    fmt.Printf("Go işlem süresi: %s saniye\n", elapsed) 11 } 12</pre>	<pre>go run /tmp/QkwSwBrR9M.go Merhaba MIS, algoritma ve programlama Go işlem süresi: 33.54µs saniye  </pre>

## RUST

```

1 std::time:: Anında kullanın ;
2 fn ana ( ) {
3 başlayalım = Anında :: şimdi ( ) ;
4 yazdır ! ( "Merhaba MIS, programlama ve programlama" ) ;
5 süre = başlangıç . geçen süre ( ) ;
6 yazdır ! ( "Pas işlem süresi: {:?}" , süre ) ;
7 }
8

```

```

/tmp/jIY5heiNHC/ana
Merhaba MIS, programlama ve programlama
Pas işlem süresi: 13.95µs

```

## C++

```

C:\Users\gudek\Desktop\Untitled111.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug
1 #include <iostream>
2 #include <ctime>
3 int main() {
4     clock_t start = clock();
5     std::cout << "Merhaba MIS, algoritma ve programlama\n";
6     clock_t end = clock();
7     double time_spent = (double)(end - start) / CLOCKS_PER_SEC;
8     std::cout << "C++ işlem süresi: " << time_spent << "saniye\n";
9     return 0;
10 }
11
C:\Users\gudek\Desktop\Untitled111.exe
Merhaba MIS, algoritma ve programlama
C++ işlem süresi: 0saniye

Process exited after 0.06364 seconds with return value 0
Press any key to continue . . .

Windows'u Etkinleştir
Windows'u etkinleştirmek için Ayarlar'a gidin.

```