

Q1

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

```
int main(){  
    int hour , min , sec;  
  
    int totaltime;  
  
    printf("Enter your time in hr:min:sec : ");  
  
    scanf("%d %d %d" , &hour , &min , &sec);  
  
  
    totaltime = (hour*3600) + (min *60) + sec;  
  
  
    printf("total : %d", totaltime);  
}
```

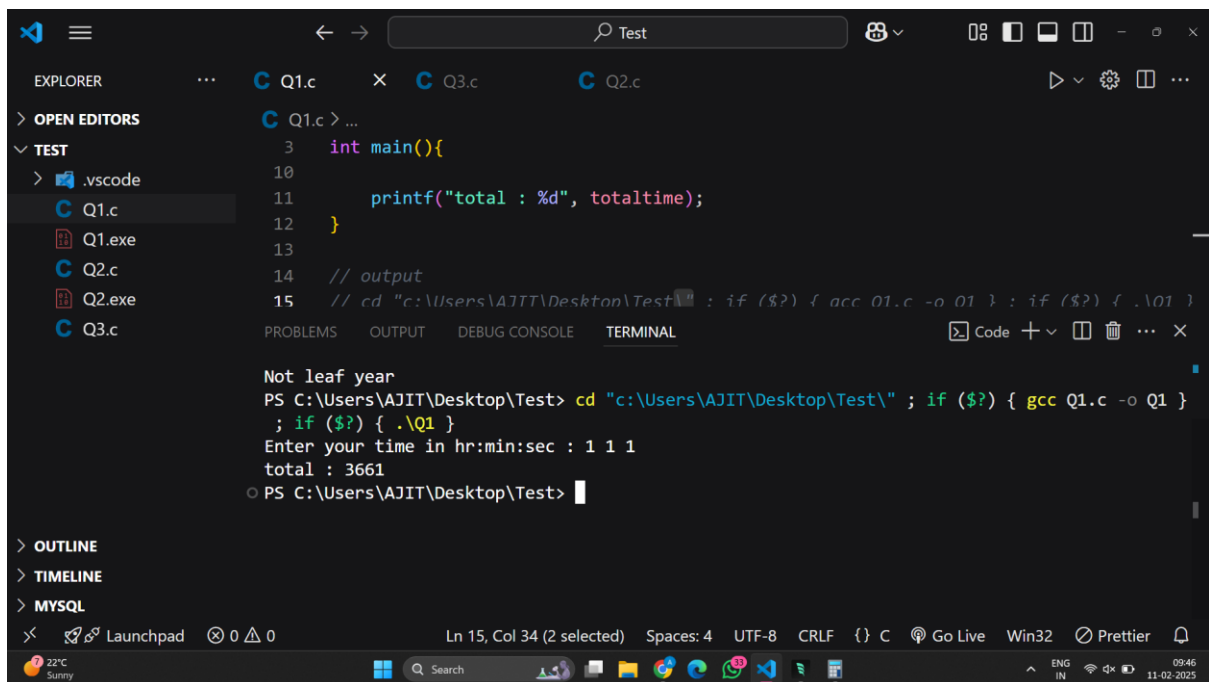
// output

// cd "c:\Users\AJIT\Desktop\Test\" ; if (\$?) { gcc Q1.c -o Q1 } ; if (\$?) { .\Q1 }

// Enter your time in hr:min:sec : 1 1 1

// total : 3661

// PS C:\Users\AJIT\Desktop\Test>



The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project named 'TEST' with files Q1.c, Q1.exe, Q2.c, Q2.exe, and Q3.c. The Editor pane shows the source code for Q1.c, which is a C program to calculate total time in seconds from hours, minutes, and seconds. The Output pane shows the command prompt output, including the directory change, compilation command, and the program's execution with input '1 1 1' resulting in 'total : 3661'.

```
Q1.c > ...  
3   int main(){  
10  
11       printf("total : %d", totaltime);  
12   }  
13  
14   // output  
15   // cd "c:\Users\AJIT\Desktop\Test\" ; if ($?) { gcc Q1.c -o Q1 } ; if ($?) { .\Q1 }  
Not leaf year  
PS C:\Users\AJIT\Desktop\Test> cd "c:\Users\AJIT\Desktop\Test\" ; if ($?) { gcc Q1.c -o Q1 }  
; if ($?) { .\Q1 }  
Enter your time in hr:min:sec : 1 1 1  
total : 3661  
PS C:\Users\AJIT\Desktop\Test>
```

Q2

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

```
int main(){  
    int year;  
    printf("Enter year :");  
    scanf("%d" , &year);  
  
    if((year%4 ==0 && year%100 != 0) || year % 400 == 0){  
        printf(" leaf year");  
    }else{  
        printf("Not leaf year");  
    }  
  
}
```

// output

```
// PS C:\Users\AJIT\Desktop\Test> cd "c:\Users\AJIT\Desktop\Test\" ; if ($?) { gcc Q2.c -o Q2 } ; if ($?)  
{ .\Q2 }
```

// Enter year :2020

// Given year is leaf year

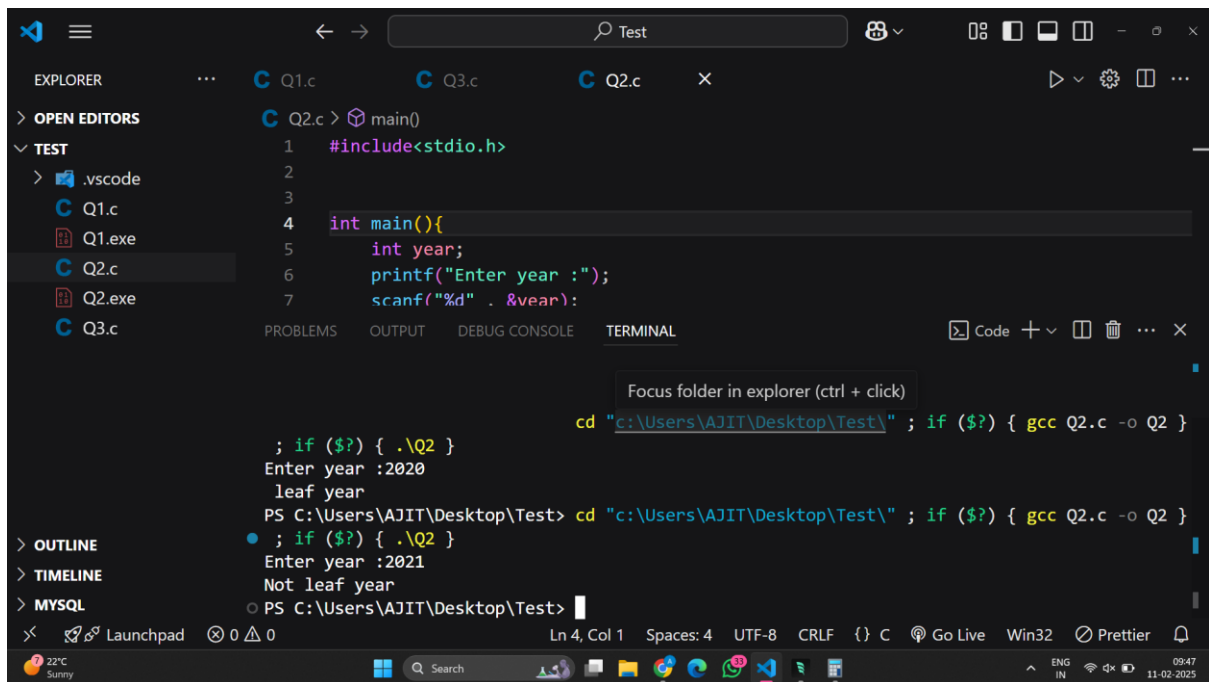
```
// PS C:\Users\AJIT\Desktop\Test> cd "c:\Users\AJIT\Desktop\Test\" ; if ($?) { gcc Q2.c -o Q2 }
```

// ; if (\$?) { .\Q2 }

// Enter year :2011

// Not leaf year

```
// PS C:\Users\AJIT\Desktop\Test>
```



Q3

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

```
// print last to digit
```

```
int main(){
```

```
    int a= 203310;
```

```
    printf("last two digit : %d", a % 100);
```

```
}
```

```
// output
```

```
// cd "c:\Users\AJIT\Desktop\Test\" ; if ($?) { gcc Q3.c -o Q3 } ; if ($?) { .\Q3 }
```

```
// last two digit : 10
```

```
// PS C:\Users\AJIT\Desktop\Test>
```

