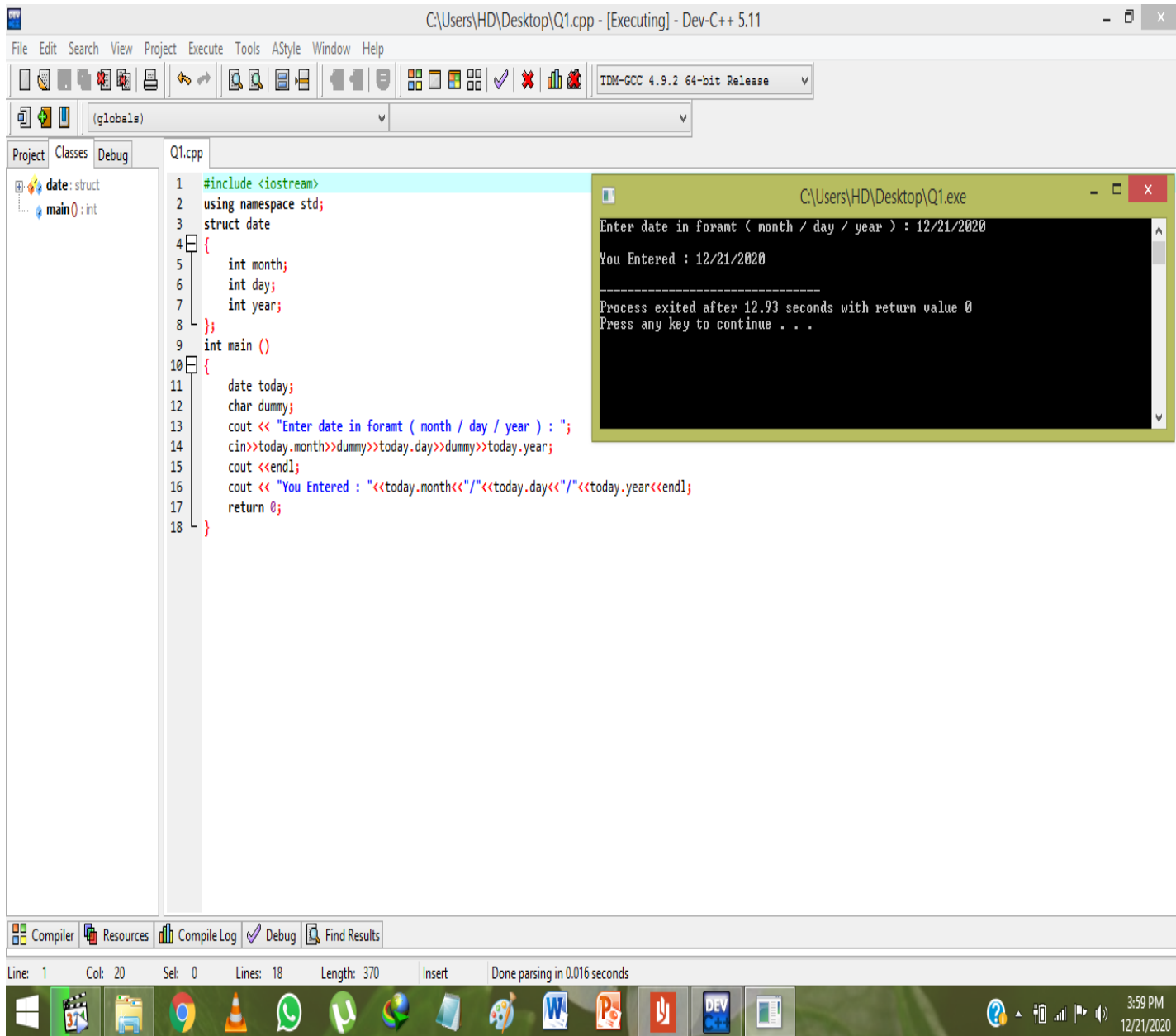


## QUESTION # 01



```
1 #include <iostream>
2 using namespace std;
3 struct date
4 {
5     int month;
6     int day;
7     int year;
8 };
9 int main ()
10 {
11     date today;
12     char dummy;
13     cout << "Enter date in foramt ( month / day / year ) : ";
14     cin>>today.month>>dummy>>today.day>>dummy>>today.year;
15     cout <<endl;
16     cout << "You Entered : "<<today.month<<"/"<<today.day<<"/"<<today.year<<endl;
17     return 0;
18 }
```

Enter date in foramt ( month / day / year ) : 12/21/2020  
You Entered : 12/21/2020  
-----  
Process exited after 12.93 seconds with return value 0  
Press any key to continue . . .

QUESTION # 02

The screenshot shows a C++ IDE with a project named 'Q2.cpp'. The code defines a struct 'dis' with fields 'd' (distance), 'm' (minutes), and 's' (seconds). It then takes input for two players, calculates their average speed in seconds, and determines the winner based on the calculated time. The output window shows the execution results for player 1 with a record of 20 distance, 5 minutes, and 0 seconds.

```

1 #include <iostream>
2 using namespace std;
3 struct dis
4 {
5     float d; //distance
6     float m; //minutes
7     float s; //seconds
8 };
9 int main ()
10 {
11     dis p1;
12     dis p2;
13     float pd1,pd2;
14     char d;
15     cout << "Enter record for player1 in format (distance,minutes,seconds) : ";
16     cin>>p1.d>>d>>p1.m>>d>>p1.s;
17     cout << endl;
18     cout << "Enter record for player2 in format (distance,minutes,seconds) : ";
19     cin>>p2.d>>d>>p2.m>>d>>p2.s;
20     cout << endl;
21     pd1 = p1.d/((p1.m*60)+p1.s);
22     pd2 = p2.d/((p2.m*60)+p2.s);
23     cout << "Winnner is : ";
24     if (pd1>pd2)
25     {
26         cout << "Player 1 with record "<<p1.d<<" distance in "<<p1.m<<" minutes and "<<p1.s<<" seconds "<<endl;
27     }
28     else if (pd2>pd1)
29     {
30         cout << "Player 2 with record "<<p2.d<<" distance in "<<p2.m<<" minutes and "<<p2.s<<" seconds "<<endl;
31     }
32     return 0;
33 }

```

Output:

```

Enter record for player1 in format (distance,minutes,seconds) : 20,5,0
Enter record for player2 in format (distance,minutes,seconds) : 10,2,31
Winnner is : Player 1 with record 20 distance in 5 minutes and 0 seconds

Process exited after 20.74 seconds with return value 0
Press any key to continue . . .

```

QUESTION # 03

The screenshot shows the Dev-C++ IDE with a C++ program open. The program is titled "C:\Users\HD\Desktop\Q3.cpp - [Executing] - Dev-C++ 5.11". The code is as follows:

```

1 #include <iostream>
2
3 using namespace std;
4 struct res
5 {
6     int marks;
7     char grade;
8 }rs;
9 struct rec
10 {
11     int rollno;
12     char result_type[10];
13 }rc;
14 int main(){
15
16     cout << "Enter the Roll no : ";cin>>rc.rollno;
17     cout << "Enter the Marks : ";cin>>rs.marks;
18
19     cout << "Enter the Grade : ";cin>>rs.grade;
20     cout << "Enter the Status : ";cin.getline(rc.result_type,10,'#');
21
22     cout <<endl;
23     for (int a=1;a<=50;a++)
24     {
25         cout << "_";
26     }
27     cout <<endl;
28     cout <<"Roll number\tMarks\tGrade\tstatus"<<endl;
29     cout <<rc.rollno<<"\t"<<"\t"<< rs.marks<<"\t"<<rs.grade<<"\t"<<rc.result_type<<endl;
30     return 0;
31 }

```

The execution output is shown in a separate window titled "C:\Users\HD\Desktop\Q3.exe". It displays the following text:

```

Enter the Roll no : 225229
Enter the Marks : 957
Enter the Grade : A
Enter the Status : Pass#

```

Roll number	Marks	Grade	status
225229	957	A	Pass

Process exited after 17.4 seconds with return value 0  
Press any key to continue . . .

The bottom status bar shows "Line: 1 Col: 20 Sel: 0 Lines: 32 Length: 624 Insert Done parsing in 0.015 seconds". The taskbar at the bottom shows various application icons and the system clock indicating 5:14 PM on 12/21/2020.