

Q1:

```
1 #include <stdio.h>
2
3 int main(){
4
5     char light;
6
7     printf("Enter the color of light: (R,Y,G) ");
8     scanf(" %c", &light);
9
10    if(light == 'R'){
11        printf("Stop");
12    } else if(light == 'Y'){
13        printf("Caution");
14    } else {
15        printf("Go");
16    }
17
18 }
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\MOBILE COMPUTERS\Desktop\PF Lab assignments\lab5\25k3077 Q1.exe
- Output Size: 128,101,5625 KiB
- Compilation Time: 0.42s

Enter the color of light: (R,Y,G) Y
Caution
Process exited after 6.255 seconds with return value 0
Press any key to continue . . .

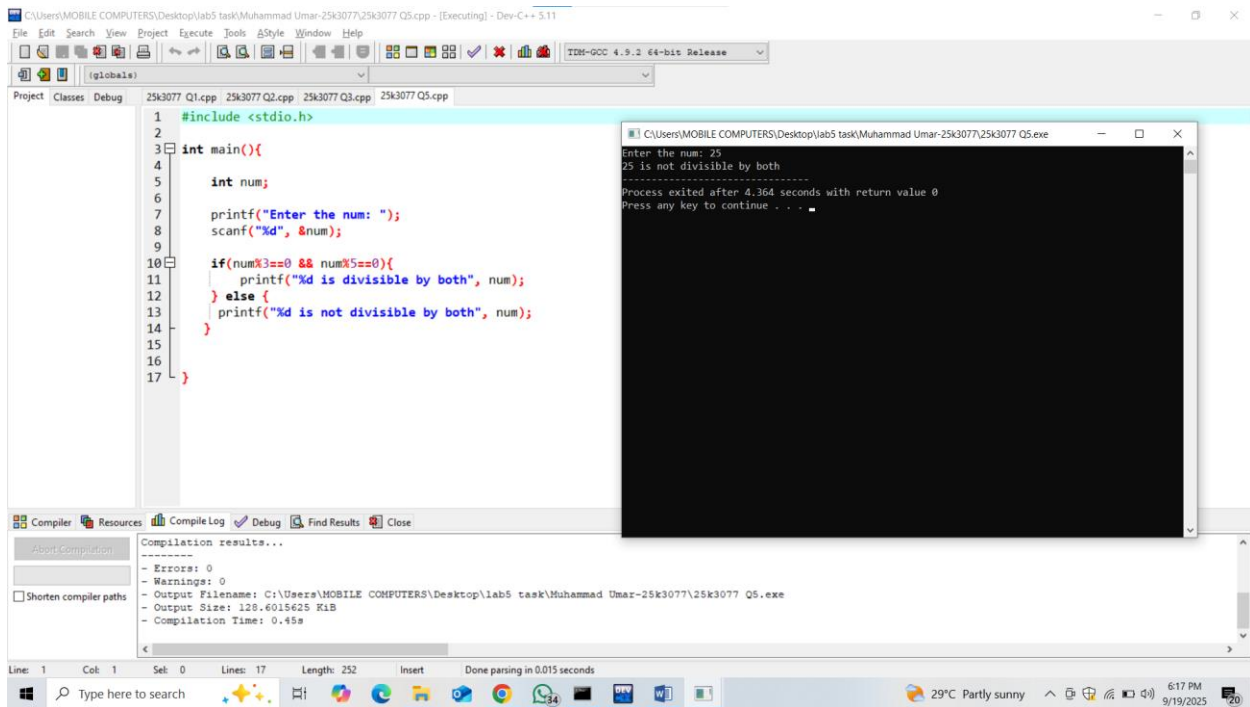
Q2:

```
1 #include <stdio.h>
2
3 int main(){
4
5     int age;
6
7     printf("Enter your age: ");
8     scanf(" %d", &age);
9
10    if(age>40){
11        printf("Senior");
12    } else if(age > 18){
13        printf("Adult");
14    } else if(age > 13){
15        printf("Teen-Ager");
16    } else {
17        printf("child");
18    }
19
20 }
```

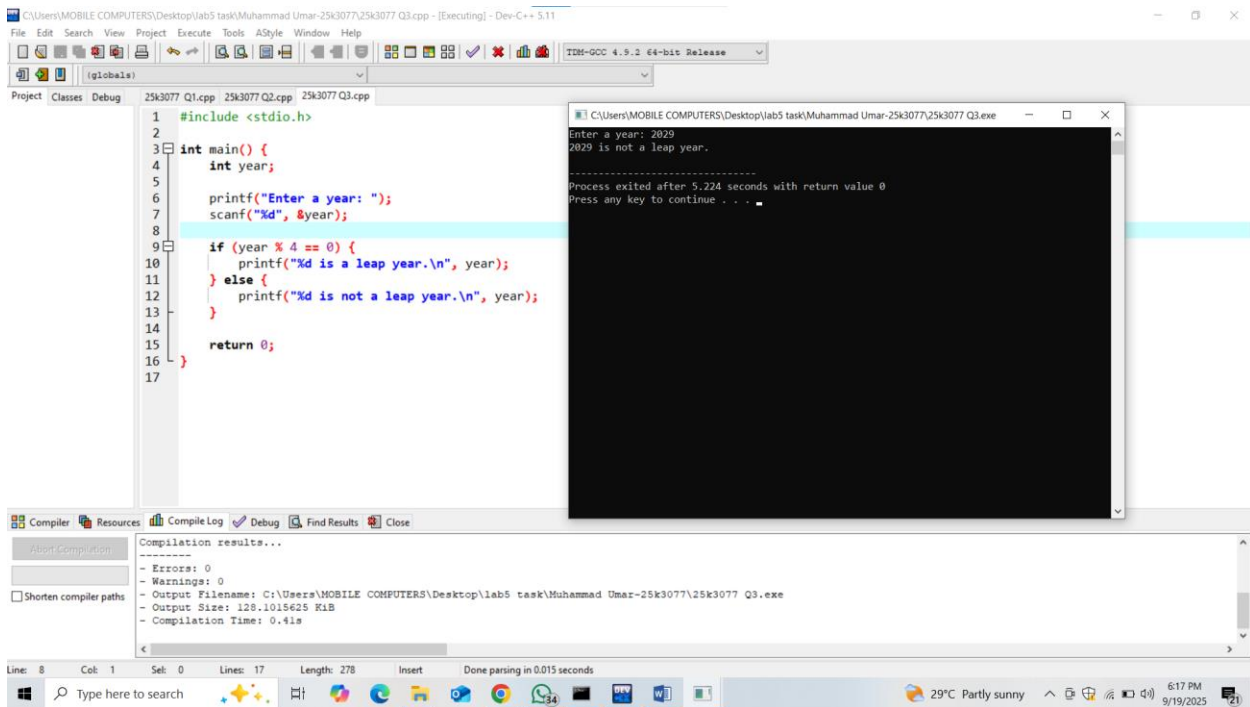
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\MOBILE COMPUTERS\Desktop\lab5 task\Muhammad Umar-25k3077\25k3077 Q2.exe
- Output Size: 128,101,5625 KiB
- Compilation Time: 0.36s

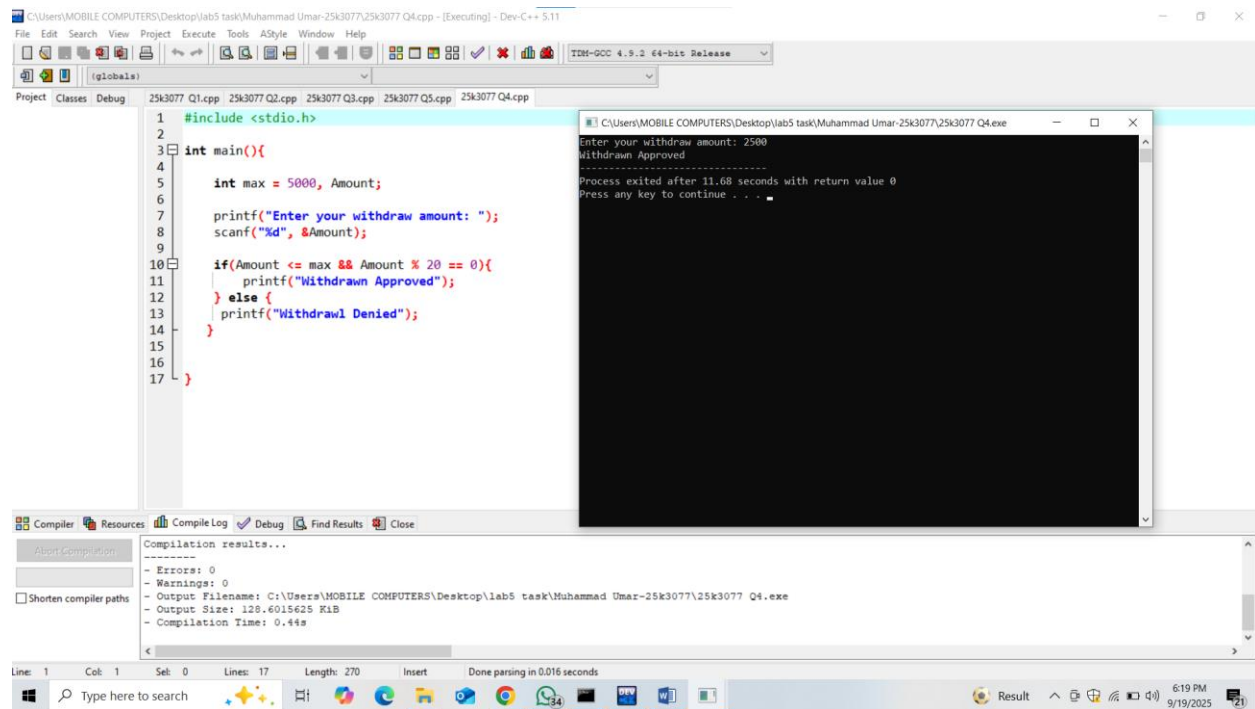
Enter your age: 19
Adult
Process exited after 9.571 seconds with return value 0
Press any key to continue . . .



Q5:



Q4:



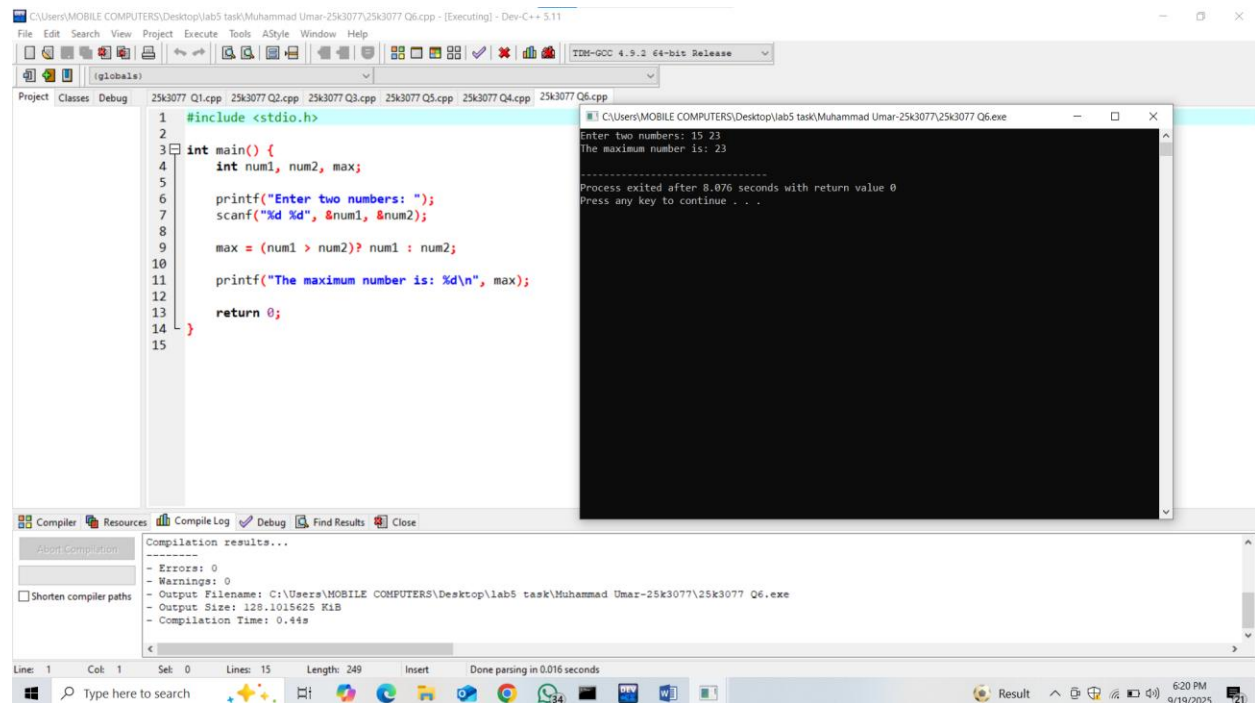
```
1 #include <stdio.h>
2
3 int main(){
4
5     int max = 5000, Amount;
6
7     printf("Enter your withdraw amount: ");
8     scanf("%d", &Amount);
9
10    if(Amount <= max && Amount % 20 == 0){
11        printf("Withdrawn Approved");
12    } else {
13        printf("Withdrawal Denied");
14    }
15
16
17 }
```

Enter your withdraw amount: 2500
Withdrawn Approved

Process exited after 11.68 seconds with return value 0
Press any key to continue . . .

Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\MOBILE COMPUTERS\Desktop\lab5 task\Muhammad Umar-25k3077\25k3077 Q4.exe
- Output Size: 128,601,5625 KiB
- Compilation Time: 0.44s

Q6:



```
1 #include <stdio.h>
2
3 int main() {
4     int num1, num2, max;
5
6     printf("Enter two numbers: ");
7     scanf("%d %d", &num1, &num2);
8
9     max = (num1 > num2)? num1 : num2;
10
11    printf("The maximum number is: %d\n", max);
12
13    return 0;
14
15 }
```

Enter two numbers: 15 23
The maximum number is: 23

Process exited after 8.076 seconds with return value 0
Press any key to continue . . .

Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\MOBILE COMPUTERS\Desktop\lab5 task\Muhammad Umar-25k3077\25k3077 Q6.exe
- Output Size: 128,101,5625 KiB
- Compilation Time: 0.44s

Q7;

The screenshot shows a C++ IDE with a project named '25k3077'. The main file, 'Q7.cpp', contains the following code:

```
1 #include <stdio.h>
2
3 int main() {
4     int rating = 0;
5     printf("Rate the movie 'The Lion King' from 1-5: ");
6     scanf("%d", &rating);
7
8     if (rating == 5) {
9         printf("Xd : Excellent", rating);
10    } else if (rating == 4) {
11        printf("Xd : Good", rating);
12    } else if (rating == 3) {
13        printf("Xd : Average", rating);
14    } else if (rating == 2) {
15        printf("Xd : Poor", rating);
16    } else if (rating == 1) {
17        printf("Xd : Terrible", rating);
18    } else {
19        printf("Invalid rating!");
20    }
21    return 0;
22 }
```

The output window shows the execution results:

```
Rate the movie 'The Lion King' from 1-5: 3
3 : Average
.....
Process exited after 7.173 seconds with return value 0
Press any key to continue . . .
```

The compilation results window shows the following information:

```
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\MOBILE COMPUTERS\Desktop\lab5 task\Muhammad Umar-25k3077\25k3077 Q7.exe
- Output Size: 128,401,5625 KiB
- Compilation Time: 0.42s
```

The status bar at the bottom indicates the current line is 19, column 32, and the file is 24 lines long with a length of 573 characters. The IDE is using the TDM-GCC 4.9.2 64-bit Release compiler.