

ASSIGNMENT-1(LIFT OFF-C)

GROUP-11

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BRANCH-CHEMICAL ENGINEERING

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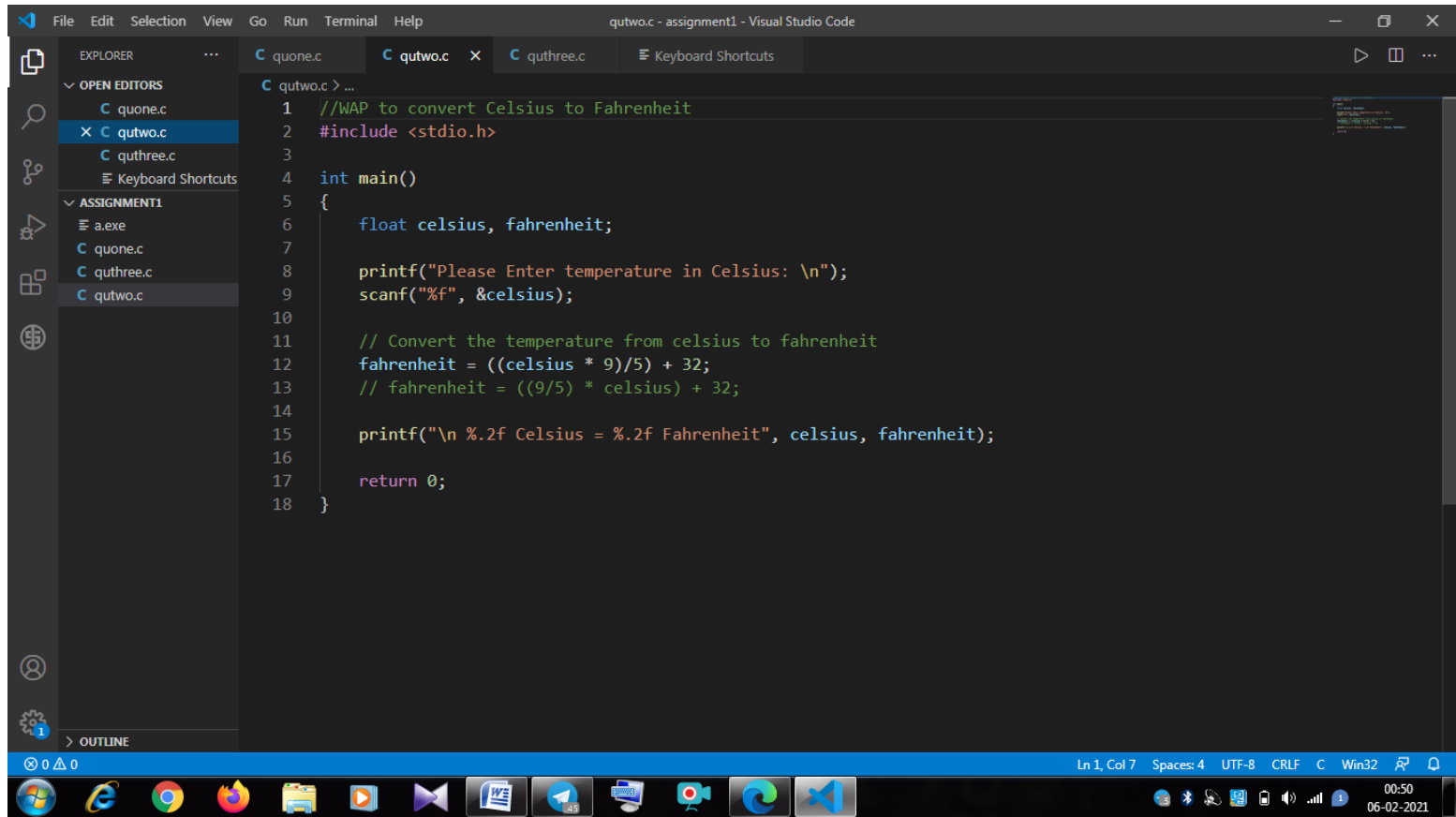
```
1 //WAP to enter two numbers and perform all arithmetic operations.
2 #include <stdio.h>
3
4 int main()
5 {
6     int x, y;
7     int sum, sub, mul, mod;
8     float div;
9
10    /*Input two numbers from user */
11    printf("Enter any two numbers::\n");
12    scanf("%d%d", &x, &y, "\n");
13
14    /* Perform all arithmetic operations */
15    sum = x + y;
16    sub = x - y;
17    mul = x * y;
18    div = x / y;
19    mod = x % y;
20
21    /* Print result of all arithmetic operations */
22    printf("\n");
23    printf("SUM          %d + %d = %d\n", x, y, sum);
24    printf("DIFFERENCE %d - %d = %d\n", x, y, sub);
25    printf("PRODUCT      %d * %d = %d\n", x, y, mul);
26    printf("QUOTIENT     %d / %d = %f\n", x, y, div);
27    printf("MODULUS      %d %% %d = %d\n", x, y, mod);
28
29    return 0;
30 }
```

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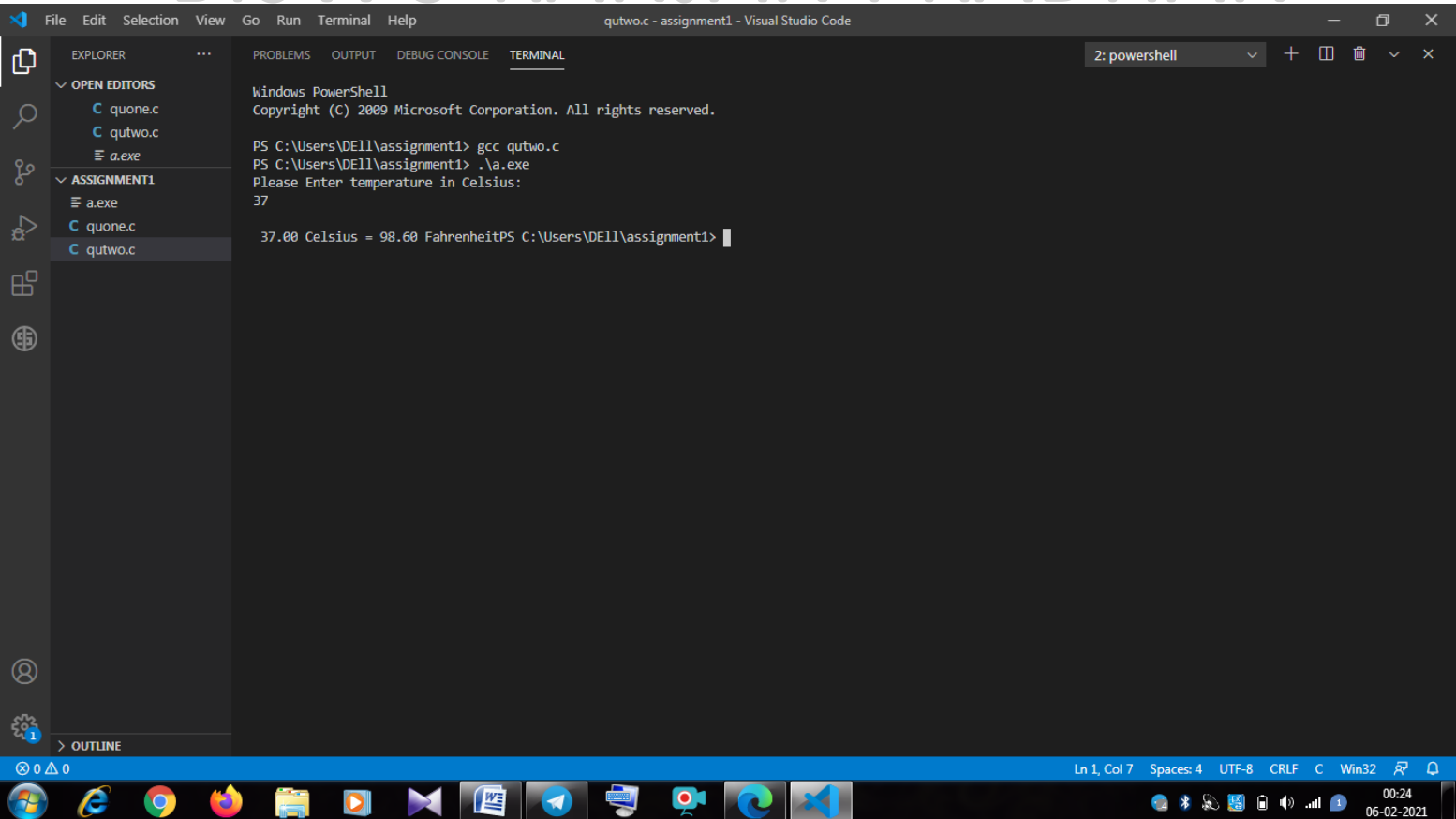
```
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PS C:\Users\DELL\assignment1> .\a.exe
Enter any two numbers::
8 9

SUM          8 + 9 = 17
DIFFERENCE 8 - 9 = -1
PRODUCT     8 * 9 = 72
QUOTIENT    8 / 9 = 0.888889
MODULUS     8 % 9 = 8
PS C:\Users\DELL\assignment1>
```



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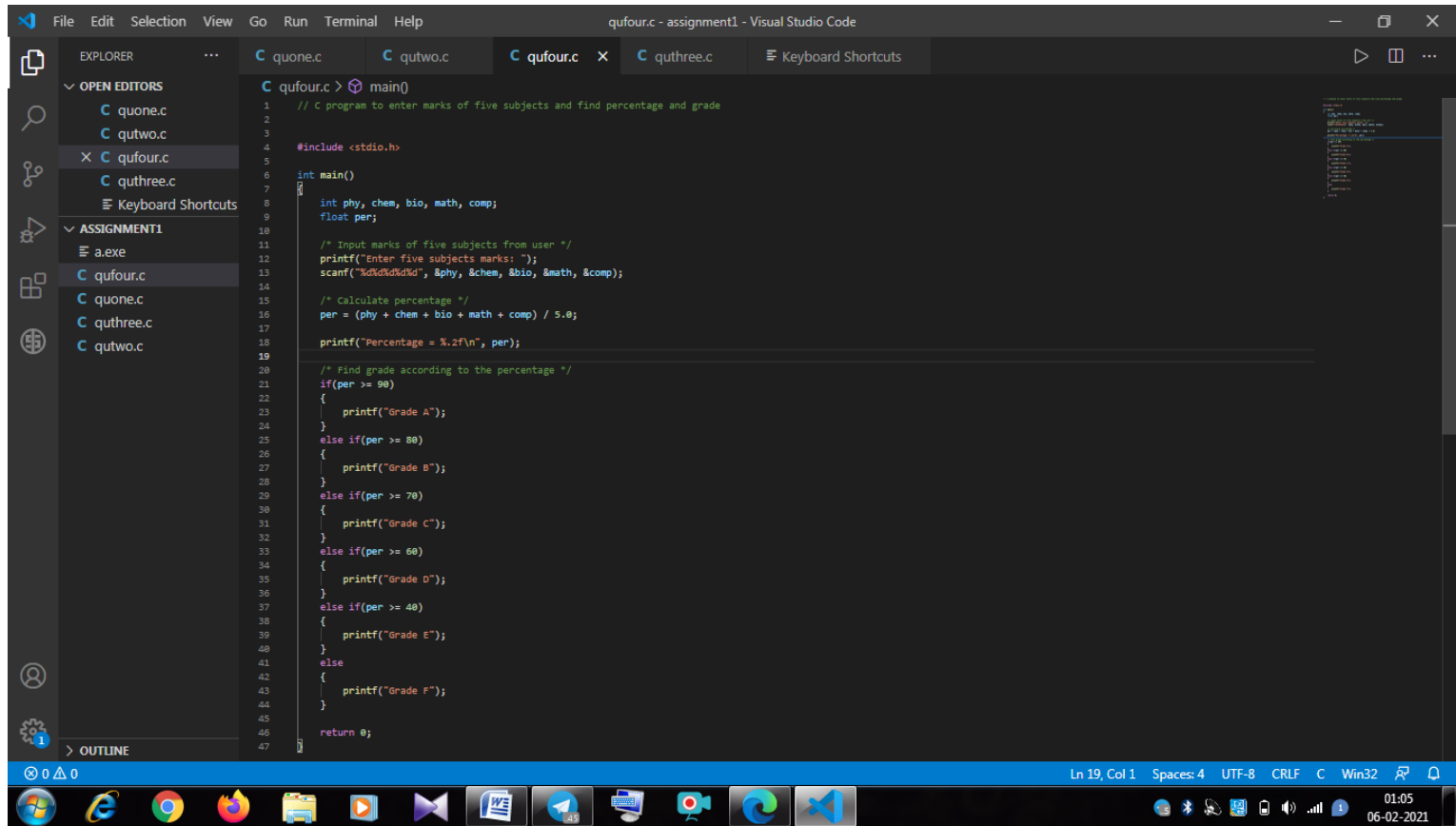


```
1 // C program to calculate diameter, circumference and area of circle
2
3 #include <stdio.h>
4
5 int main()
6 {
7     float radius, diameter, circumference, area;
8
9     /* Input radius of circle from user*/
10    printf("Enter radius of circle: ");
11    scanf("%f", &radius);
12
13    /* Calculate diameter, circumference and area*/
14    diameter = 2 * radius;
15    circumference = 2 * 3.14 * radius;
16    area = 3.14 * (radius * radius);
17
18    /*Print all results*/
19    printf("Diameter of circle = %.2f units \n", diameter);
20    printf("Circumference of circle = %.2f units \n", circumference);
21    printf("Area of circle = %.2f sq. units ", area);
22
23    return 0;
24 }
25
```

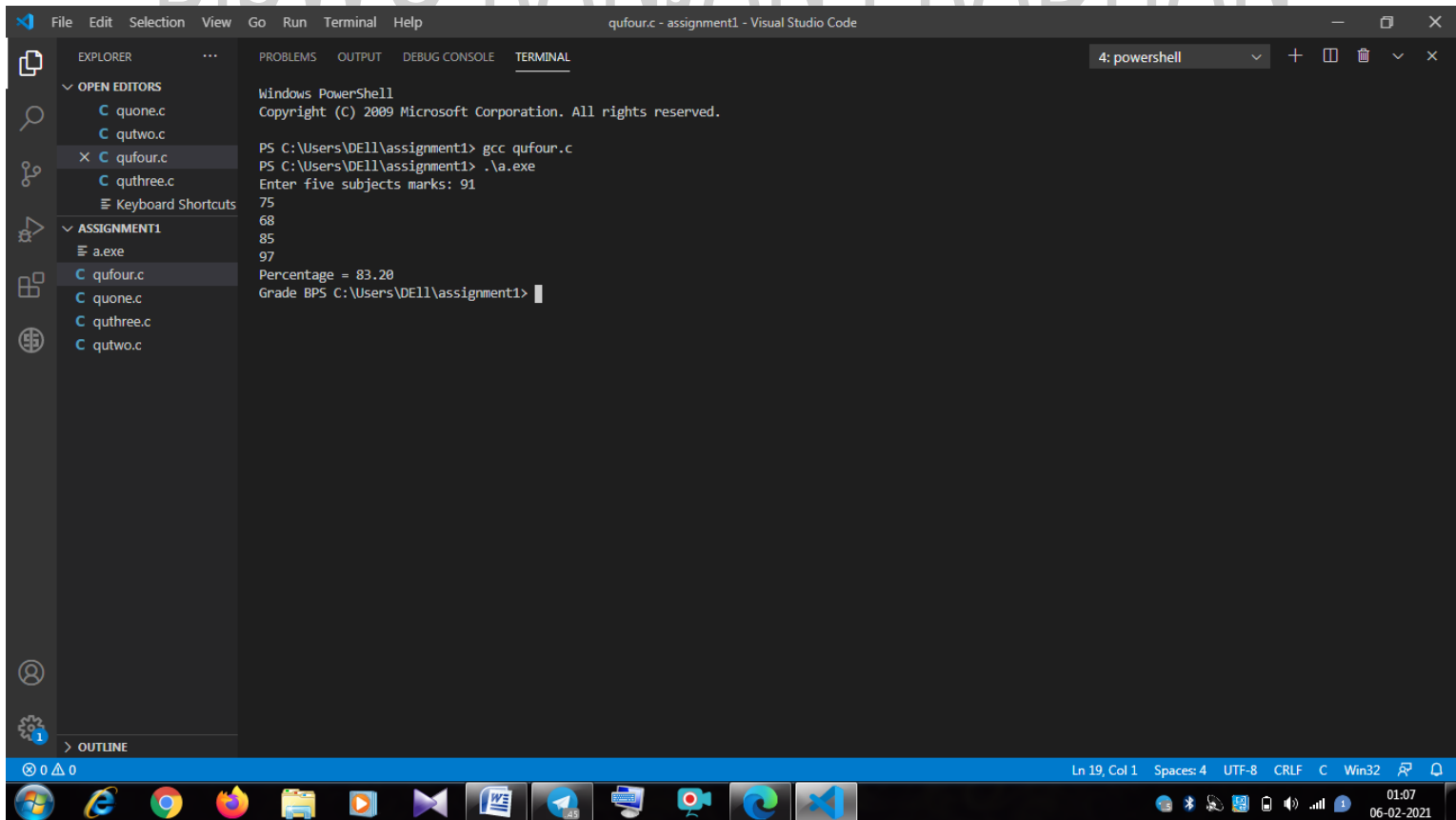
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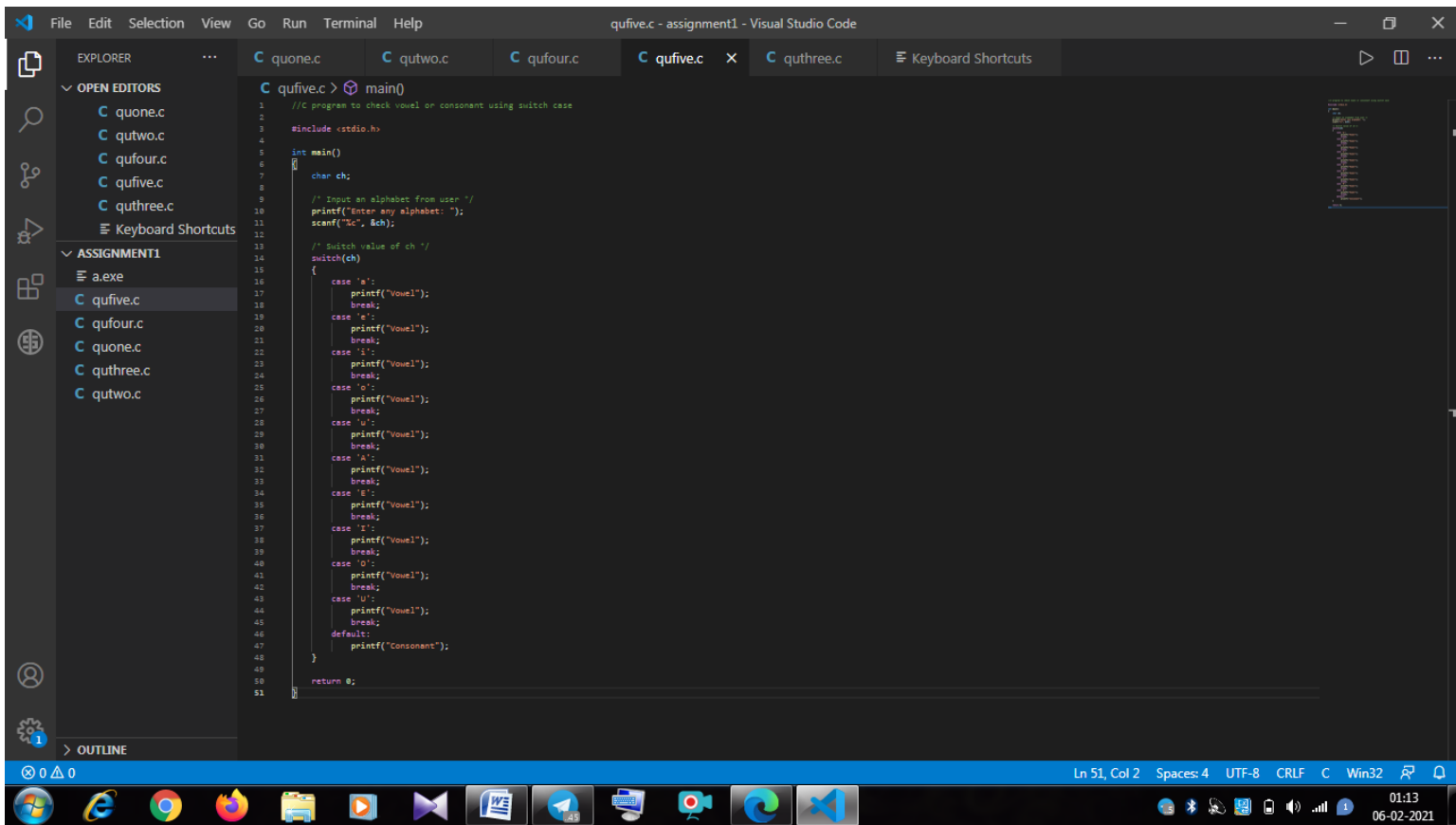
```
Windows PowerShell
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PS C:\Users\DELL\assignment1> gcc quthree.c
PS C:\Users\DELL\assignment1> .\a.exe
Enter radius of circle: 14
Diameter of circle = 28.00 units
Circumference of circle = 87.92 units
Area of circle = 615.44 sq. units PS C:\Users\DELL\assignment1>
```

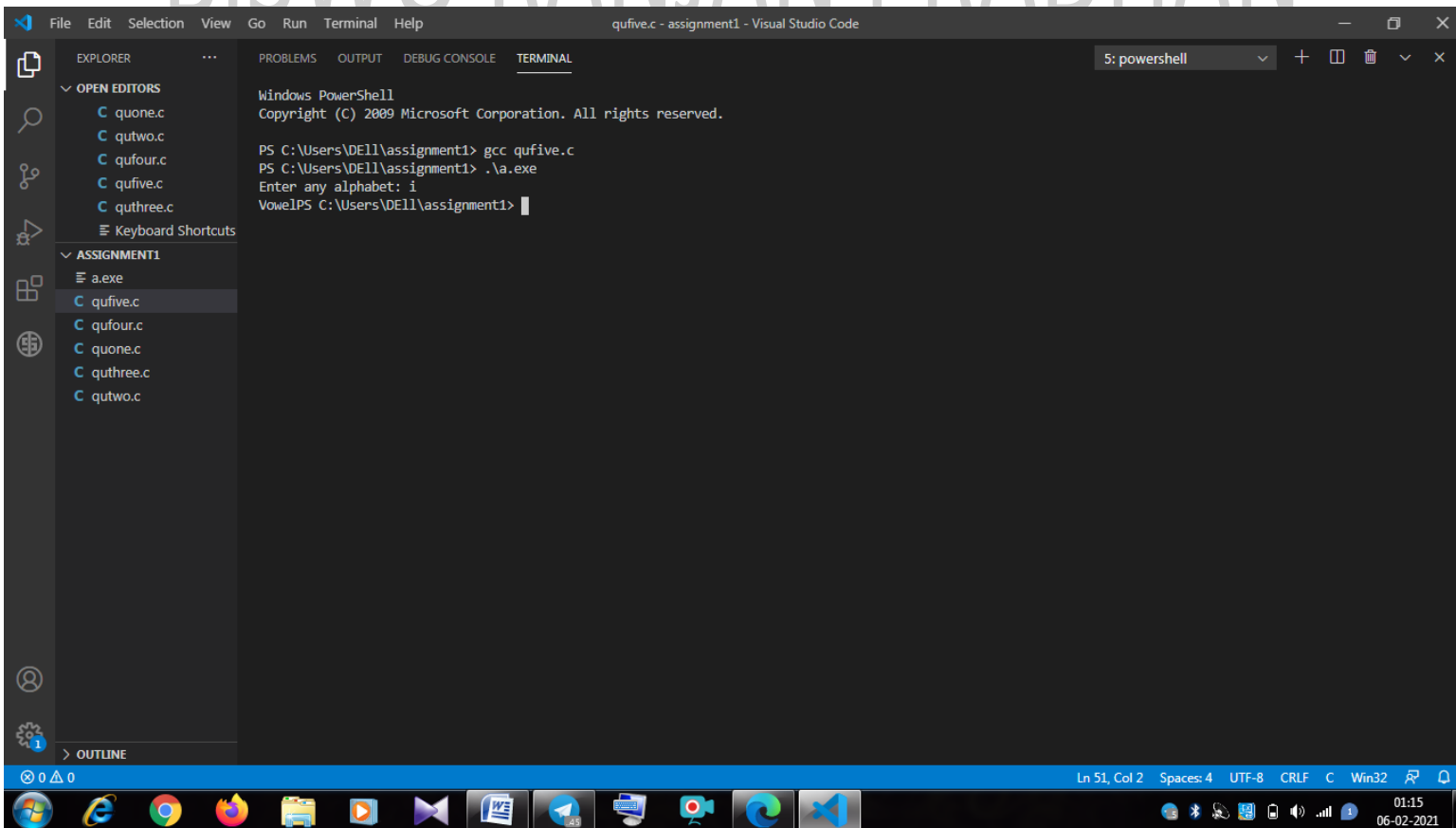


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THANK YOU

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