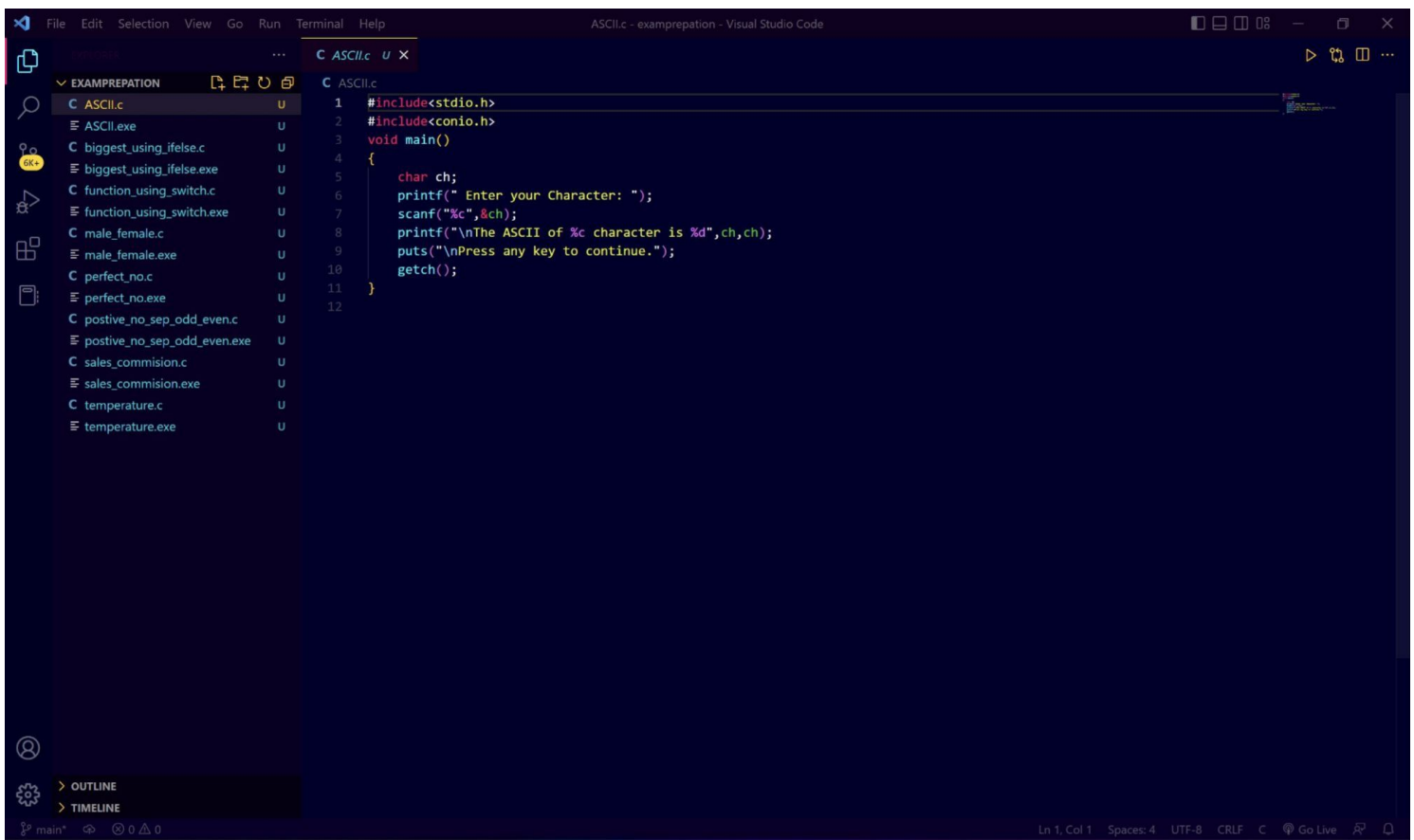
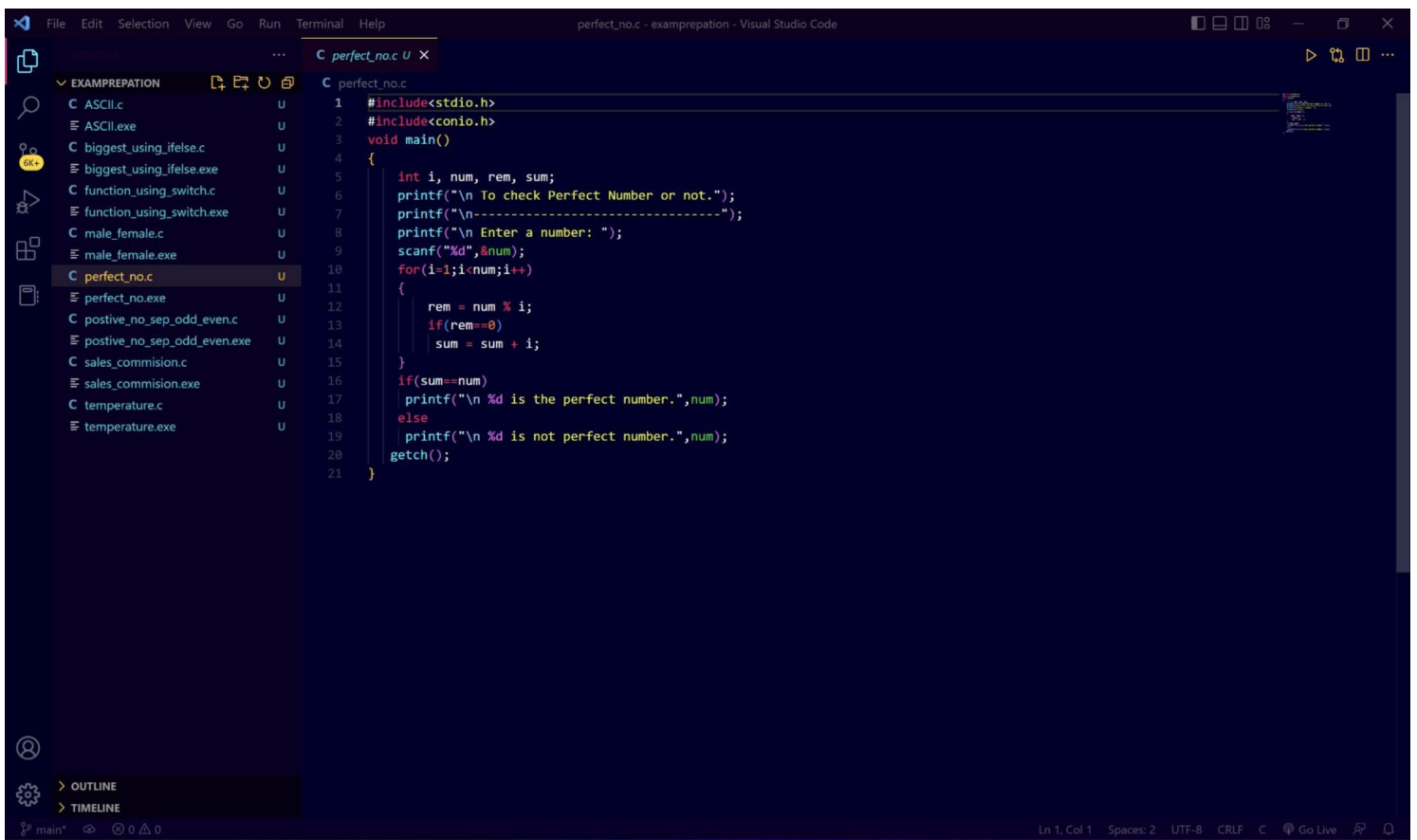


The image shows a Visual Studio Code editor window with a C program for temperature conversion. The file explorer on the left shows a project named 'EXAMPREPREATION' containing several C and .exe files. The 'temperature.c' file is selected and its code is displayed in the main editor. The code includes `<stdio.h>` and `<conio.h>`, and defines a `main` function. It prompts the user to select a temperature scale (1 for Fahrenheit, 2 for Centigrade) and then performs the conversion using the formulas $C = (F - 32) \times \frac{5}{9}$ and $F = (C \times \frac{9}{5}) + 32$. The status bar at the bottom indicates the cursor is at line 1, column 1, with 4 spaces, UTF-8 encoding, and CRLF line endings.

```
1 #include<stdio.h>
2 #include<conio.h>
3 void main()
4 {
5     int n=0;
6     float f,c;
7     printf("\n Temperature Conversion");
8     printf("\n-----");
9     printf("\n Enter 1 to select Farenheit.");
10    printf("\n Enter 2 to select Centigrade.");
11    printf("\n Choose Your Temperature Scale: ");
12    scanf("%d",&n);
13    printf("\n-----");
14    if(n==1)
15    {
16        printf("\n Convert Your Temperature farenheit to Centigrade");
17        printf("\n-----");
18        printf("\n Enter your temperature in Degree farenheit: ");
19        scanf("%f",&f);
20        c = 5.0/9.0 * (f-32);
21        printf("\n Your Temperature in Degree Centigrade is: %.2f",c);
22    }
23    else
24    {
25        if(n==2)
26        {
27            printf("\n Convert Your Temperature Centigrade to Farenheit");
28            printf("\n-----");
29            printf("\n Enter your temperature in Degree Centigrade: ");
30            scanf("%f",&c);
31            f = (9.0/5.0 * c) + 32;
32            printf("\n Your Temperature in Degree Farenheit is %.2f",f);
33        }
34        else{
35            printf("\n-----Invalid! Option-----");
36        }
37    }
38 }
39
```





The screenshot shows the Visual Studio Code interface with a C file named `biggest_using_ifelse.c` open. The file explorer on the left shows a project named `EXAMPREPARATION` containing several C and .exe files. The editor displays the following code:

```
1 #include<stdio.h>
2 #include<conio.h>
3 void main()
4 {
5     int a, b, c, big;
6     printf("\nEnter the first number: ");
7     scanf("%d",&a);
8     printf("\nEnter the second number: ");
9     scanf("%d",&b);
10    printf("\nEnter the third number: ");
11    scanf("%d",&c);
12    big = a;
13    if(big<b)
14    {
15        big = b;
16    }
17    else
18    {
19        if(big<c)
20        {
21            big = c;
22        }
23    }
24    printf("\n-----");
25    printf("\n The biggest number is : %d",big);
26    getch();
27 }
```

The status bar at the bottom indicates the current position is Line 12, Column 13, with 2 spaces, UTF-8 encoding, and CRLF line endings.

```
File Edit Selection View Go Run Terminal Help
male_female.c - examprepation - Visual Studio Code

EXAMPREPATION
C ASCII.c U
C ASCII.exe U
C biggest_using_ifelse.c U
C biggest_using_ifelse.exe U
C function_using_switch.c U
C function_using_switch.exe U
C male_female.c U
C male_female.exe U
C perfect_no.c U
C perfect_no.exe U
C postive_no_sep_odd_even.c U
C postive_no_sep_odd_even.exe U
C sales_commission.c U
C sales_commission.exe U
C temperature.c U
C temperature.exe U

C male_female.c
1 #include<stdio.h>
2 #include<conio.h>
3 void main()
4 {
5     char M, F, gen;
6     int age;
7     printf("-----");
8     printf("\nEnter M for male");
9     printf("\nEnter F for female");
10    printf("\n-----");
11    printf("\nEnter your Gender: ");
12    scanf("%c",&gen);
13    printf("\nEnter your age: ");
14    scanf("%d",&age);
15    if(gen==M && age>30)
16    {
17        printf("\nDriver is married.");
18    }
19    else{
20        if(gen==F && age>25)
21            printf("\nDriver is married.");
22        else
23            printf("\nDriver is unmarried");
24    }
25    getch();
26 }
```

main* 0 0 0

Ln 1, Col 1 Spaces: 5 UTF-8 CRLF C Go Live

The image shows a Visual Studio Code editor window with a project named "exampreparation". The file explorer on the left lists several C source files and their corresponding executables. The active file is "positive_no_sep_odd_even.c", which contains a C program. The program prompts the user to enter the number of elements, then for each element, asks for its value. It then separates the numbers into two groups: even and odd. The even numbers are printed first, followed by the odd numbers. The program uses arrays to store the input numbers and loops to process them.

```
1 #include<stdio.h>
2 #include<conio.h>
3 void main()
4 {
5     int i, n, x[50];
6     printf("\n How many Number ? ");
7     scanf("%d",&n);
8     for(i=0;i<n;i++){
9         printf("\n Enter your %dth number: ",i+1);
10        scanf("%d",&x[i]);
11    }
12    printf("\n-----");
13    printf("\n Even Number \n");
14    for(i=0;i<n;i++)
15    {
16        if(x[i]%2==0)
17        {
18            printf(" %d",x[i]);
19        }
20    }
21    printf("\n-----");
22    printf("\n Odd number\n");
23    for(i=0;i<n;i++)
24    {
25        if(x[i]%2!=0)
26        {
27            printf(" %d",x[i]);
28        }
29    }
30    getch();
31 }
32
33 }
```

The screenshot shows the Visual Studio Code interface with a C program open in the editor. The file explorer on the left lists several files under the 'EXAMPREPATION' folder, including 'ASCII.c', 'ASCII.exe', 'biggest_using_ifelse.c', 'biggest_using_ifelse.exe', 'function_using_switch.c', 'function_using_switch.exe', 'male_female.c', 'male_female.exe', 'perfect_no.c', 'perfect_no.exe', 'postive_no_sep_odd_even.c', 'postive_no_sep_odd_even.exe', 'sales_commission.c', 'sales_commission.exe', 'temperature.c', and 'temperature.exe'. The 'function_using_switch.c' file is selected and its content is displayed in the editor. The code is a C program that uses a switch statement to calculate the value of y based on the input value of n. The program includes the standard C headers and uses the printf, scanf, and getch functions. The switch statement has three cases: case 1: y = n + x; case 2: y = 1 + x/n; case 3: y = n + 3*x; and a default case: y = 1 + n*x. The program prompts the user to enter the value of n and x, and then prints the value of y.

```
1 #include<stdio.h>
2 #include<conio.h>
3 void main()
4 {
5     int x,y,n;
6     printf(" Enter the value of n: ");
7     scanf("%d",&n);
8     printf("\nEnter the value of x: ");
9     scanf("%d",&x);
10    switch(n)
11    {
12        case 1: y = n + x;
13               break;
14        case 2: y = 1 + x/n;
15               break;
16        case 3: y = n + 3*x;
17               break;
18        default: y = 1 + n*x;
19               break;
20    }
21    printf("\n The value of y is %d",y);
22    getch();
23 }
```

The screenshot shows the Visual Studio Code interface with a C program named `sales_commission.c` open. The file explorer on the left lists several files under the `EXAMPREPARATION` folder, including `ASCII.c`, `ASCII.exe`, `biggest_using_ifelse.c`, `biggest_using_ifelse.exe`, `function_using_switch.c`, `function_using_switch.exe`, `male_female.c`, `male_female.exe`, `perfect_no.c`, `perfect_no.exe`, `postive_no_sep_odd_even.c`, `postive_no_sep_odd_even.exe`, `sales_commission.c` (selected), `sales_commission.exe`, `temperature.c`, and `temperature.exe`. The editor window displays the following C code:

```
1 #include<stdio.h>
2 #include<conio.h>
3 void main()
4 {
5     float sales, commission;
6     printf("\nEnter your Number of Sales: ");
7     scanf("%f",&sales);
8     if(sales <= 500)
9     {
10         commission = 0.05 * sales;
11     }
12     else if(sales>500 && sales<=2000)
13     {
14         commission = 35 + 0.1 * (sales-500);
15     }
16     else if(sales>2000 && sales<=5000)
17     {
18         commission = 185 + 0.12 * (sales-2000);
19     }
20     else
21     {
22         commission = sales * 0.125;
23     }
24     printf("\nYour commission is %.2f",commission);
25 }
```

The status bar at the bottom indicates the current position is `Ln 1, Col 1`, with `Spaces: 4`, `UTF-8` encoding, `CRLF` line endings, and the `Go Live` button is visible.