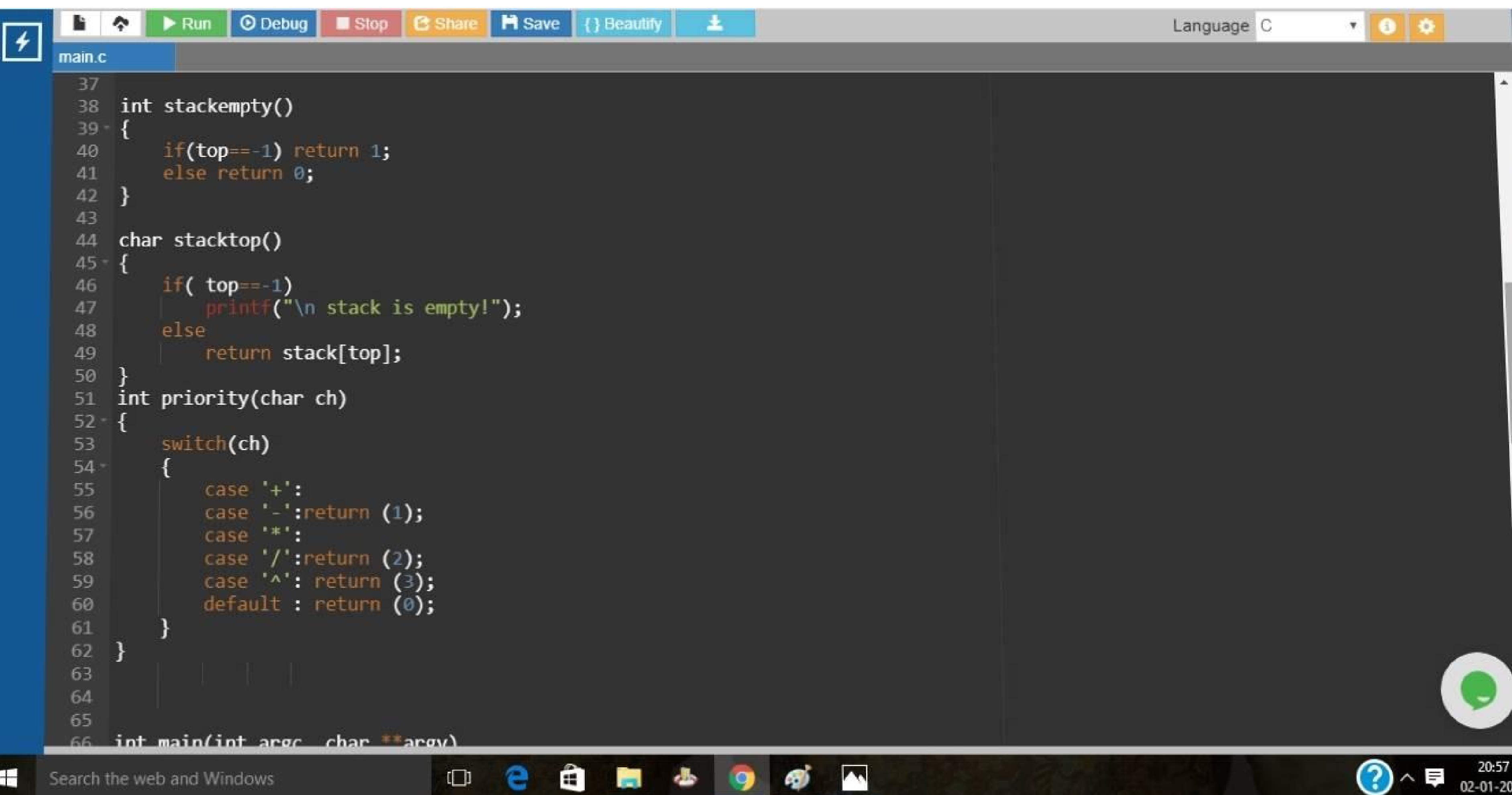


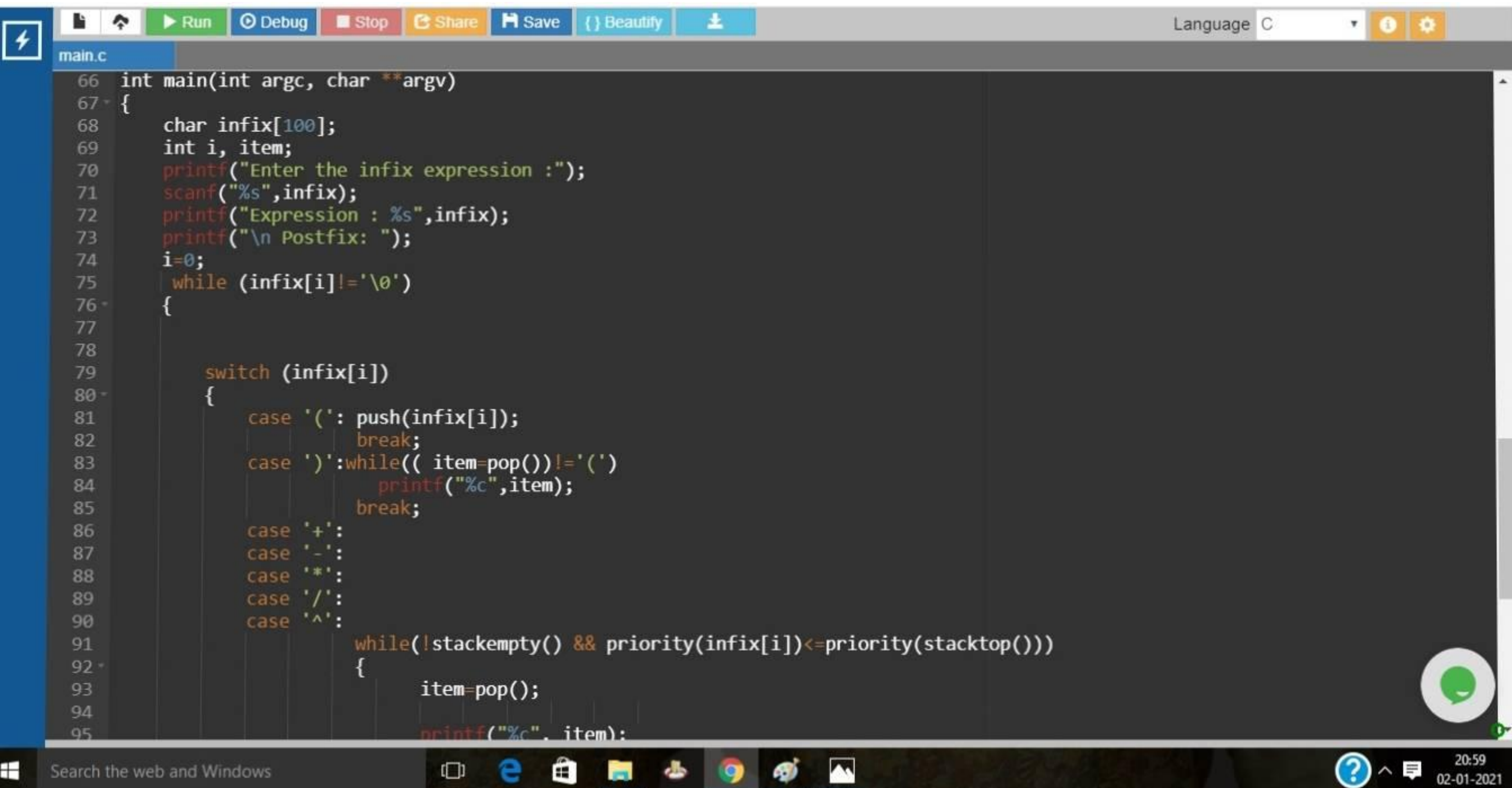
```
9 #include <stdio.h>
10 # define MAX 100
11 char stack[MAX];
12 int top=-1;
13
14 void push(char ch)
15 {
16     if (top==MAX-1)
17         printf("Stack is full\n");
18     else
19     {
20         top++;
21         stack[top]=ch;
22     }
23 }
24 char pop()
25 {
26     char item;
27     if (top== -1)
28         printf("\n stack is empty !");
29     else
30     {
31         item=stack[top];
32         top--;
33         return item;
34     }
35 }
36 }
37
38 int main()
39 {
40     char ch;
41     while (ch != '\n')
42     {
43         printf("Enter a character: ");
44         ch = getche();
45         push(ch);
46     }
47     printf("\n");
48     while (ch != '\n')
49     {
50         printf("Enter a character: ");
51         ch = getche();
52         pop();
53     }
54     printf("\n");
55 }
```



The image shows a screenshot of a code editor window with a dark theme. The editor is displaying C code for a stack implementation. The code is as follows:

```
37
38 int stackempty()
39 {
40     if(top==-1) return 1;
41     else return 0;
42 }
43
44 char stacktop()
45 {
46     if( top==-1)
47         printf("\n stack is empty!");
48     else
49         return stack[top];
50 }
51 int priority(char ch)
52 {
53     switch(ch)
54     {
55         case '+':
56         case '-':return (1);
57         case '*':
58         case '/':return (2);
59         case '^': return (3);
60         default : return (0);
61     }
62 }
63
64
65
66 int main(int argc, char **argv)
```

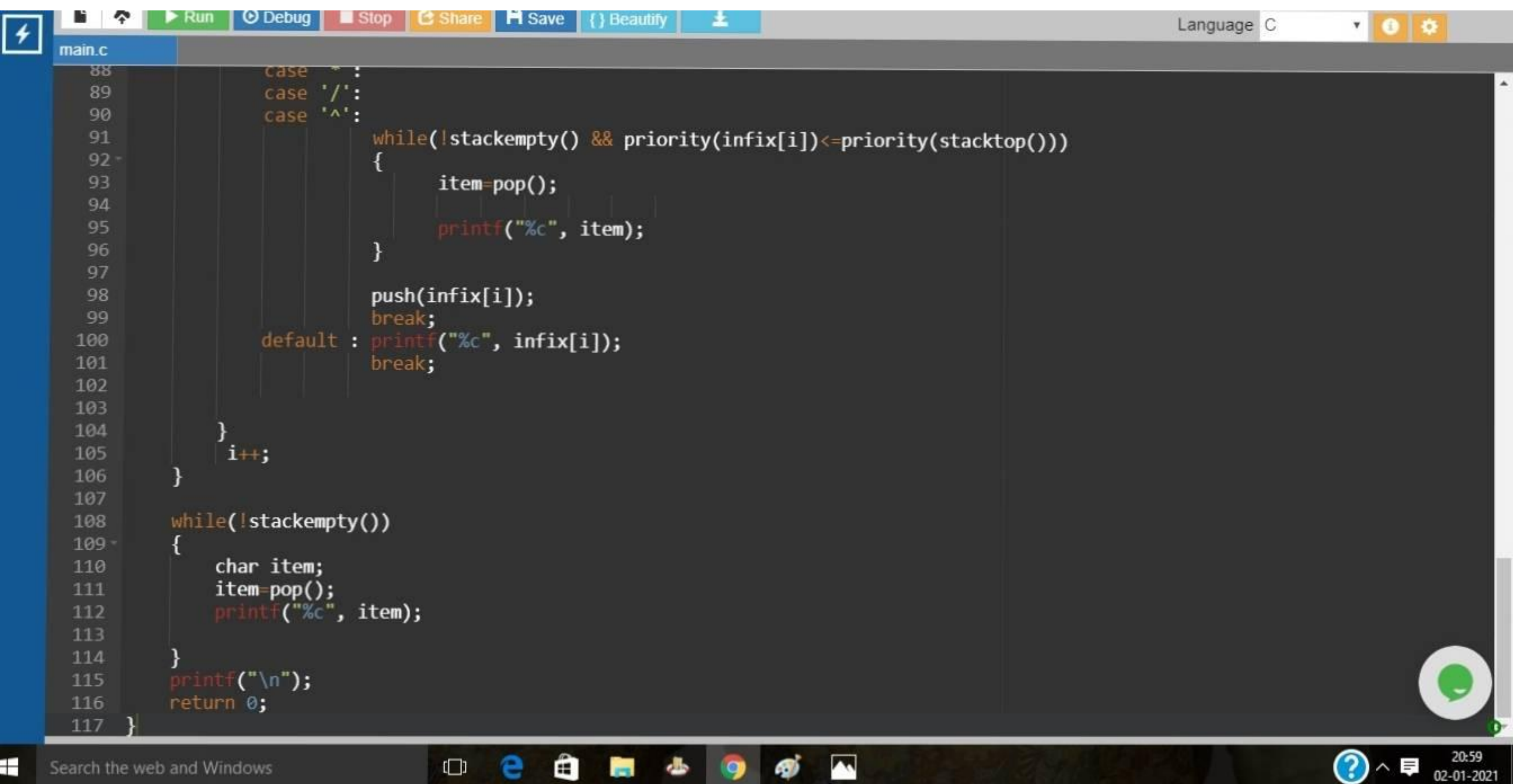
The editor's toolbar at the top includes icons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The language is set to C. The Windows taskbar is visible at the bottom, showing the Start button, search bar, and several application icons. A green circular chat icon is located in the bottom right corner of the editor window.



The image shows a code editor window with a dark theme. The editor has a toolbar at the top with icons for Run, Debug, Stop, Share, Save, and Beautify. The file name 'main.c' is visible in the top left. The code is in C and implements an infix to postfix conversion algorithm. It uses a stack to store operators and a while loop to process the input string. The code is as follows:

```
66 int main(int argc, char **argv)
67 {
68     char infix[100];
69     int i, item;
70     printf("Enter the infix expression :");
71     scanf("%s",infix);
72     printf("Expression : %s",infix);
73     printf("\n Postfix: ");
74     i=0;
75     while (infix[i]!='\0')
76     {
77
78
79         switch (infix[i])
80         {
81             case '(': push(infix[i]);
82                     break;
83             case ')': while(( item=pop())!='(')
84                     printf("%c",item);
85                     break;
86             case '+':
87             case '-':
88             case '*':
89             case '/':
90             case '^':
91                 while(!stackempty() && priority(infix[i])<=priority(stacktop()))
92                 {
93                     item=pop();
94                     printf("%c", item);
95 }
```

The Windows taskbar is visible at the bottom, showing the Start button, search bar, and several application icons. The system clock shows 20:59 on 02-01-2021.



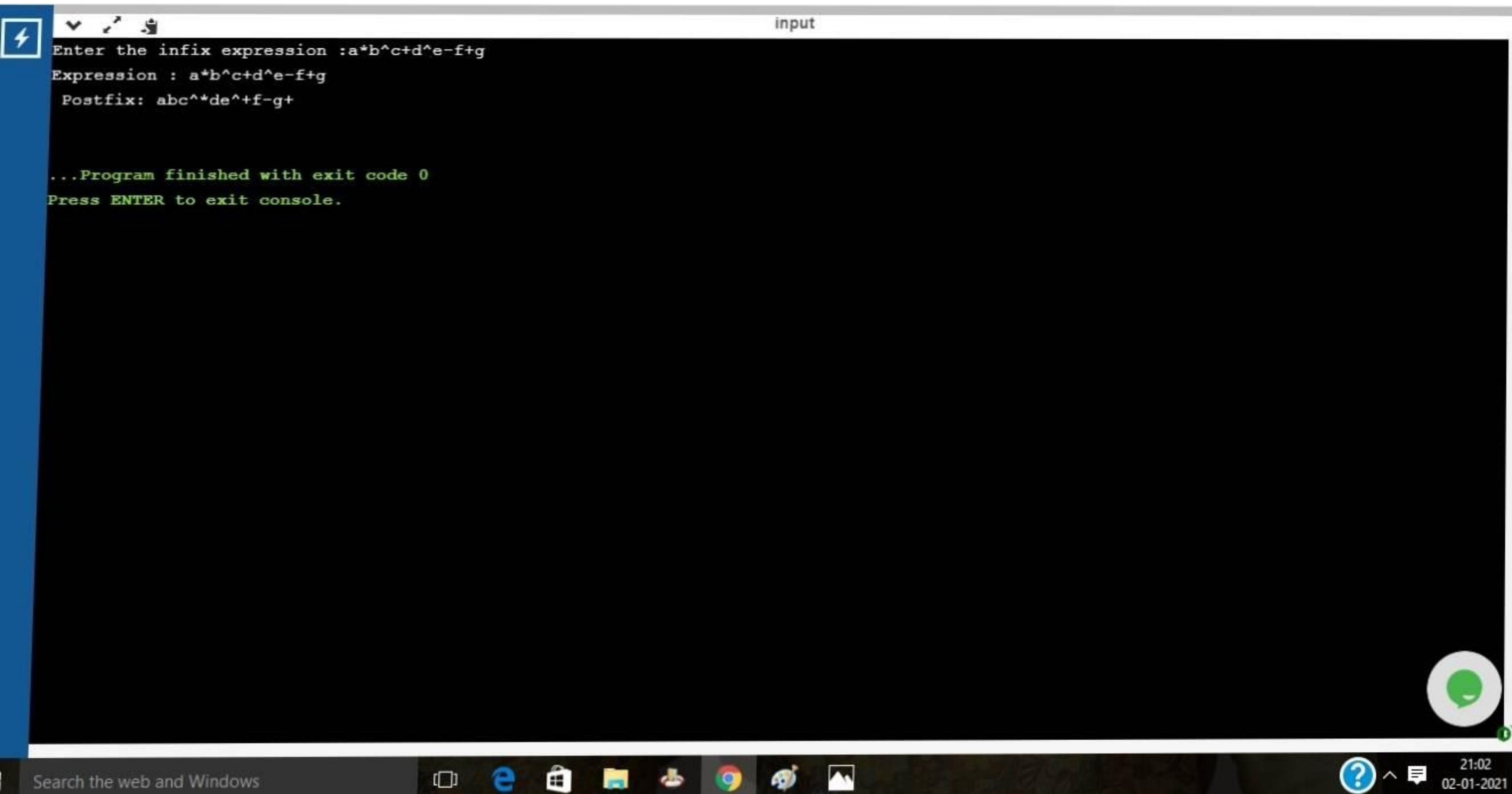
The image shows a screenshot of a code editor window with a dark theme. The editor is displaying a C program in a file named 'main.c'. The code implements an infix evaluation algorithm using a stack. The editor's toolbar at the top includes buttons for Run, Debug, Stop, Share, Save, Beautify, and a Language dropdown set to 'C'. The code is as follows:

```
88      case '*':
89      case '/':
90      case '^':
91          while(!stackempty() && priority(infix[i])<=priority(stacktop()))
92          {
93              item=pop();
94              printf("%c", item);
95          }
96          push(infix[i]);
97          break;
98      default : printf("%c", infix[i]);
99              break;
100
101      }
102      i++;
103  }
104
105  while(!stackempty())
106  {
107      char item;
108      item=pop();
109      printf("%c", item);
110  }
111  printf("\n");
112  return 0;
113 }
114
115 }
```

The Windows taskbar is visible at the bottom, showing the Start button, a search bar, and several application icons. The system clock in the bottom right corner indicates the time is 20:59 on 02-01-2021.

```
input
Enter the infix expression :a+b-c-d*e+f
Expression : a+b-c-d*e+f
Postfix: ab+c-de*-f+

...Program finished with exit code 0
Press ENTER to exit console.
```



The screenshot shows a Windows terminal window with a dark background and light green text. The window title is "input". The text inside the terminal is as follows:

```
Enter the infix expression :a*b^c+d^e-f+g
Expression : a*b^c+d^e-f+g
Postfix: abc^*de^+f-g+

...Program finished with exit code 0
Press ENTER to exit console.
```

At the bottom of the terminal window, there is a green circular icon with a white speech bubble. Below the terminal window, the Windows taskbar is visible, showing the search bar, task view button, and several application icons (Edge, File Explorer, Task Manager, Chrome, and a picture viewer). The system tray on the right shows the time as 21:02 and the date as 02-01-2021.