

```
1  #include <stdio.h>
2
3  int main(void)
4  {
5      //variable declarations
6      int i, j;
7      char ch_01, ch_02;
8
9      int a, result_int;
10     float f, result_float;
11
12     int i_explicit;
13     float f_explicit;
14
15     //code
16     printf("\n\n");
17
18     //INTERCONVERSION AND IMPLICIT TYPE-CASTING BETWEEN 'char' AND 'int' TYPES....
19     i = 70;
20     ch_01 = i;
21     printf("I = %d\n", i);
22     printf("Charater 1 (after ch_01 = i) = %c\n\n", ch_01);
23
24     ch_02 = 'Q';
25     j = ch_02;
26     printf("Charater 2 = %c\n", ch_02);
27     printf("J (after j = ch_02) = %d\n\n", j);
28
29     //IMPLICIT CONVERSION OF 'int' TO 'float'...
30     a = 5;
31     f = 7.8f;
32     result_float = a + f;
33     printf("Integer a = %d And Floating-Point Number %f Added Gives Floating-Point ➤
34         Sum = %f\n\n", a, f, result_float);
35
36     result_int = a + f;
37     printf("Integer a = %d And Floating-Point Number %f Added Gives Integer Sum = ➤
38         %d\n\n", a, f, result_int);
39
40     //EXPLICIT TYPE-CASTING USING CAST OPERATOR...
41     f_explicit = 30.121995f;
42     i_explicit = (int)f_explicit;
43     printf("Floating Point Number Which Will Be Type Casted Explicitly = %f\n", ➤
44         f_explicit);
45     printf("Resultant Integer After Explicit Type Casting Of %f = %d\n\n", ➤
46         f_explicit, i_explicit);
47
48     return(0);
49 }
```