

1. Enter an **int** number with *scanf()* and display it with *printf()*.
2. Enter a **float** number and display it.
3. Enter two **int** numbers, divide them into an **int** variable (integer division) and display the result.
4. Enter two **int** numbers, divide them into a **float** variable (*float_no=int_no1/int_no2*) and display the result (still integer division, although we defined a float variable?)
5. Enter two **int** numbers, divide them into a **float** variable (first cast int number 1 into float domain, such as: *float_no=(float)int_no1/int_no2*)
6. Enter a **float** variable, and then display as an **int** value (%d).
7. Enter one character (**char**), and display it (%c).
8. Enter one character (**char**), and display its ASCII value (%d).
9. Enter one integer (**int**) number (**a**), one **float** number (**b**) and one character (**char**) (**c**). Display variable **a** represented as a HEX value, **b** as an exponential value, and **c** as a character value and its ASCII code.
10. Make a program to display sizes of variables in bytes (sizeof operator).
11. Calculate the required quantity of artificial fertilizer for a particular plot. It is necessary to enter the plot dimensions in meters (width and length - **float**), then enter the quantity of fertilizer per hectare (**float**). After that display the required quantity of fertilizer for the given plot (**float**).
12. Make the conversion of the time given in days (**int**), hours (**int**), minutes (**int**) and seconds (**int**) into total seconds (**int**). It is necessary to enter the number of days, hours, mins and secs and then display the total number of seconds.
13. Enter a floating point number (**float**) and display its integer part (conversion %d) and the decimal part after the floating point (use conversion %g to omit the following zeros).
eg: number **3.25** should be displayed as **3** and **0.25**.
14. Read the letter 'a'. From its ASCII value subtract 32 and display the value as a character ("%c").
15. Read a character, and display the next character from the ASCII table.
16. Calculate the possible time of flight for a multicopter. Enter the number of rotors (**int**) and the current. Uneti broj rotora (**int**) and current consumption per rotor in mA (**int**), number of batteries (**int**) and battery capacity in mAh (**float**). Calculate and display the possible flight time in minutes.