









Chapters

1	2	3	4
5	6	7	8
9	10	11	12
13			

Chapter 7

-  Theory (13)
-  Programming exercises (3/3)
-  Quizzes (3/3)
-  Open exercises

Course

-  Table of contents
-  Extra materials
-  Bulletin board
-  My corner

Communication

-  Forum
-  Conference

Tutoring

-  Ask a tutor

Handling functions

Feedback [Ask a tutor](#)  
Please use this option only if you find any issues or mistakes in the content. If you have any queries or questions regarding the subject matter, then please use [Ask a tutor](#).  
You have completed this exercise

Send



Your task is to supplement the source code below with the missing functions. The program prints the following text in accordance with the user's selections:

Choice 1: "The cat says meow!"  
 Choice 2: "The dog says wuff-wuff!"  
 Choice 3: "The cow says moo!"

Upon execution, the program asks the user to select one of the animals. Once selected, the program calls a function that prints out the correct utterance. After executing the function, the program returns to ask the user for a new choice. The program is terminated by a negative integer.

Code to be supplemented:

```
#include <stdio.h>

void cat(void);
void dog(void);
void cow(void);

void main()
{
    int choice;
    do{

        printf("1:cat\n2:dog\n3:cow\n");
        printf("End with a negative number.\n");
        printf("Select animal:");
        scanf("%d", &choice);
        if(choice < 0) {
            printf("Terminating the program...");
        }
        else if(choice == 1) {
            cat();
        }
        else if(choice == 2) {
            dog();
        }
        else if(choice == 3) {
            cow();
        }
        else {
            printf("You entered an invalid number.\n\n");
        }
    }while(choice>0);
}
```

**Hint:** The purpose of the exercise is to provide you with a feeling for writing functions. Do not copy the source code, only write functions that print the output. The functions are declared in the prototypes before the main program.

*Example output:*

```
1:cat
2:dog
3:cow
End with a negative number.
Select animal:1
The cat says meow!

1:cat
2:dog
3:cow
End with a negative number.
Select animal:2
The dog says wuff-wuff!

1:cat
2:dog
3:cow
End with a negative number.
Select animal:3
The cow says moo!

1:cat
2:dog
3:cow
End with a negative number.
Select animal:-1
Terminating the program...
```

*The verification of program output does not account for whitespace characters like "\n", "\t" and " "*

```
• program.c
29     }
30     printf("You entered an invalid number.\n\n");
31 }
32 }while(choice>0);
33 return 0;
34 }
35
36 void cat(void)
37 {
38     printf("The cat says meow!");
39 }
40 void dog(void)
41 {
42     printf("The dog says wuff-wuff!");
43 }
44
45 void cow(void)
46 {
47     printf("The cow says moo!");
48 }
49
50
51
52
53
```

Position: Ln 36 Ch 1

Full screen (Esc to exit)

Reset

Save

Run