

St. Andrews Scots Sr. Sec. School

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Session: 2024-2025

Class: VIII

Subject: Computer

Topic: Ch-8 Answer Key

Double Tap (Page no. 113)

1. Write any two components of python function.

Ans. Arguments, Statements.

2. What is the main difference between built-in and user-defined functions?

Ans. The main difference between these two categories is that built-in functions do not require to be written by us, whereas a user-defined function has to be developed by the user at the time of writing a program.

Double Tap (Page no. 117)

1. What is a string?

Ans. A sequence of characters which is enclosed or surrounded by single (') or double (" ") quotes is known as a string.

2. What are escape sequences?

Ans. An escape sequence is a sequence of characters that does not represent itself when used inside a character or string.

A. Choose the correct option:-

1. Built-in
2. Arguments
3. +
4. Escape sequence
5. String Replication Operator

B. Fill in the blanks:-

1. Capitalize ()
2. function
3. lower
4. String

C. Answer the following questions:

1. What is the use function?

Ans. A function can be defined as a block of a reusable code that performs a specific task. Functions help us to break our program into smaller pieces or modules.

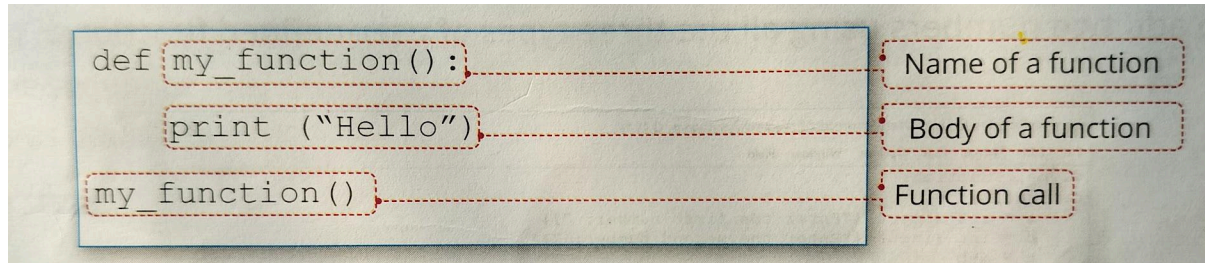
2. What do you mean by traversing a string?

Ans. Traversing means visiting each element and processing it as required by the program. We can access the character of a string one at a time using indexing.

3. How can we call a function in python? Explain using an example.

Ans. A function can be called anytime from other functions or from the command prompt after the definition. For calling a function, we type the function and pass the parameters. For example:

To call a function



4. What are the different types of functions? Explain in detail.

Ans. Python functions can be categorised into built-in function and user-defined function:

1. **Built in function**:- The `print()` and `input()` belong to the category of built-in functions. Built-in functions are not required to be written by us.
2. **User-defined functions**:- User-defined functions are created by the user according to the need of the program. Once the user defines a function, the user can call it in the same way as the built-in functions.

5. Write any two built in functions to manipulate strings.

Ans. Two built-in functions to manipulate strings:

i. len(): The `len()` function calculates and returns the length of a string supplied as an argument.

Syntax of using `len()` function is:

`len(string_name)`

ii. lower(): The `lower()` function converts all uppercase letters to lowercase. Syntax of using `lower()` function is:

`string_name.lower()`