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Python - Collections, Functions And Modules In Python Batch – 10\_june\_Python;

**Module – 7**

**8. Functions**

**Q1]. Defining functions in Python.**

**▪ Defining functions in Python**

**A function is a reusable block of code. Defined using def:**

**def greet():**

**print("Hello!")**

**Q2]. Different types of functions: with/without parameters, with/without return values.**

**▪ Types of functions**

1. **Without parameters, without return:**

**def greet():**

**print("Hi!")**

1. **With parameters, without return:**

**def add(a, b):**

**print(a + b)**

1. **With parameters, with return:**

**def multiply(a, b):**

**return a \* b**

1. **Without parameters, with return:**

**def get\_value():**

**return 42**

**Q3]. Anonymous functions (lambda functions).**

**▪ Anonymous functions (lambda functions)**

**Lambda functions are one-liner anonymous functions.**

**square = lambda x: x \*\* 2**

**add = lambda a, b: a + b**