1. **Why are functions advantageous to have in your programs?**

Ans :- Advantages of Functions in Python

1. To prevent repeating the same code block repeatedly in a program
2. Python functions, once defined, can be **called many times** and from anywhere in a program
3. If our Python program is large, it can be separated into numerous functions which is **simple to track**
4. The use of functions **makes a program more readable**. It's frequently difficult to read a large program. Breaking the code down into smaller functions keeps the program structured, understandable, and reusable
5. Overall, Functions makes programs **shorter**, **easier to read**, and **easier to update**.
6. **When does the code in a function run: when it’s specified or when it’s called?**

Ans :- The code in a function executes **when the function is called**, not when the function is defined

1. **What statement creates a function?**

Ans :- **The “def” keyword** is a statement for defining a function in Python. You start a function with the def keyword, specify a name followed by a colon (:) sign.

The “def” call creates the function object and assigns it to the name given. You can further re-assign the same function object to other names.

**4. What is the difference between a function and a function call?**