

# Applications of Functions

---

- Functions help us in **reducing code redundancy**. If functionality is performed at multiple places in software, then rather than writing the same code, again and again, we create a function and call it everywhere. This also helps in maintenance as we have to change at one place if we make future changes to the functionality.
- Functions make code **modular**. Consider a big file having many lines of code. It becomes really simple to read and use the code if the code is divided into functions.
- Functions provide **abstraction**. For example, we can use library functions without worrying about their internal work.
- It avoids **variable name collision**.