

Function – I

- What is a function
 - One named program module that does one primary task
 - Consists of a set of statements
- Why we need functions?
 - Chop up a long program for
 - Better organization of code
 - Use same code repetitively
 - Each function acts as a building block

Function – II

- How to declare a function

```
return_value_type function_name( parameter-list)
{
    Definitions;
    Statements;
}
```

- Parameter-list format

```
type1 variable_name1, type2 variable_name2, ... typeN variable_nameN
```

Example for Function Declaration

- Example:

```
int main() { ...;}
```

```
double calcMax(double a, double b) {...;}
```

- Special cases

- Use *void* for return_value_type if no value is needed to be returned.
- Use *void* for parameter-list if no parameters are needed to pass to the function