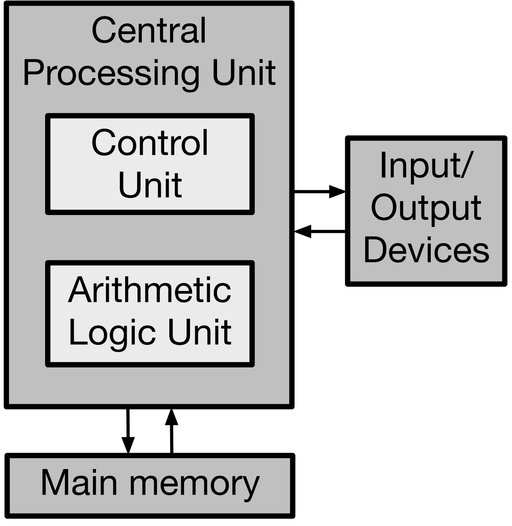

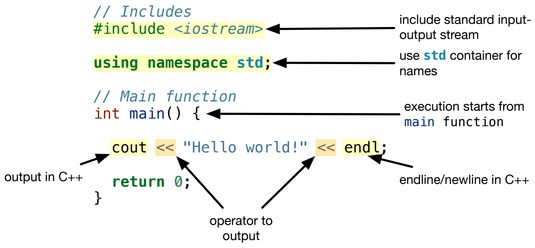

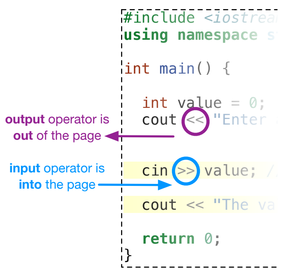

return type function name input argument

```
int factorial(int n) {
```

function body

```
  int result = 1;
  for (int i = 1; i <= n; i++) {
    result *= i;
  }
  return result;

}
```

1. *return* or *output parameter* type
2. function *name*
3. *type* of *input* paramter
4. *input* paramter
5. body of the function

```
int factorial(int n) {
  int result = 1;
  for (int i = 1; i <= n; i++) {
    result *= i;
  }
  return result;

}
```