

PrintPosition

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# Chapter 1

## Class Index

### 1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

#### [printer](#)

Printer is a class to extract a new method from printposition, The motivation behind solving this problem is to implement method extraction for code refractory using input method . . . . .

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## Chapter 2

# File Index

### 2.1 File List

Here is a list of all files with brief descriptions:

<a href="#">main.cpp</a>	7
<a href="#">softwareEng_9_4.cpp</a>	7
<a href="#">softwareEng_9_4.hpp</a>	8





## Chapter 3

# Class Documentation

### 3.1 printer Class Reference

printer is a class to extract a new method from printposition, The motivation behind solving this problem is to implement method extraction for code refractory using input method

```
#include <softwareEng_9_4.hpp>
```

#### Public Member Functions

- int [input](#) ()  
*[input\(\)](#) method makes sure that all the inputs for printing the positon are fed and passed by value to [printPosition\(\)](#) method*
- void [printPosition](#) (int t\_length, int a\_length\_search, char \*text, char \*array\_to\_search1, int position)  
*[printPostion](#) method enable code resuability and extraction mechanism this extracted method is used to find and print position*
- [printer](#) ()

#### 3.1.1 Detailed Description

printer is a class to extract a new method from printposition, The motivation behind solving this problem is to implement method extraction for code refractory using input method

#### 3.1.2 Constructor & Destructor Documentation

##### 3.1.2.1 printer()

```
printer::printer ( )
```

### 3.1.3 Member Function Documentation

#### 3.1.3.1 input()

```
int printer::input ( )
```

[input\(\)](#) method makes sure that all the inputs for printing the position are fed and passed by value to [printPosition\(\)](#) method

#### 3.1.3.2 printPosition()

```
void printer::printPosition (
    int t_length,
    int a_length_search,
    char * text,
    char * array_to_search1,
    int position )
```

printPosition method enables code reusability and extraction mechanism. This extracted method is used to find and print position.

The documentation for this class was generated from the following files:

- [softwareEng\\_9\\_4.hpp](#)
- [softwareEng\\_9\\_4.cpp](#)

## Chapter 4

# File Documentation

### 4.1 CMakeLists.txt File Reference

#### Functions

- [add\\_executable](#) (shell-app softwareEng\_9\_4.cpp) include\_directories(\$

#### 4.1.1 Function Documentation

##### 4.1.1.1 add\_executable()

```
add_executable (
    shell-app softwareEng_9_4.  cpp )
```

### 4.2 main.cpp File Reference

```
#include <iostream>
#include <lib.hpp>
Include dependency graph for main.cpp:
```

### 4.3 softwareEng\_9\_4.cpp File Reference

```
#include "softwareEng_9_4.hpp"
Include dependency graph for softwareEng_9_4.cpp:
```

#### Functions

- int [main](#) ()

### 4.3.1 Function Documentation

#### 4.3.1.1 main()

```
int main ( )
```

## 4.4 softwareEng\_9\_4.hpp File Reference

```
#include <iostream>
#include <string>
#include <vector>
#include <numeric>
```

Include dependency graph for softwareEng\_9\_4.hpp: This graph shows which files directly or indirectly include this file:

### Classes

- class [printer](#)

*printer is a class to extract a new method from printposition, The motivation behind solving this problem is to implement method extraction for code refractory using input method*

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