**Assessment Cover Sheet**

This Assessment Cover Sheet is only to be attached to

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ASSESSMENT DETAILS** | | | | | | |
| Unit title | | Data Structure and Pattern | Tutorial /Lab Group | 1 | | Office use only |
| Unit code | | COS30008 | Due date | 28 Oct 2022 | |  |
| Name of lecturer/tutor | | Dr. Mark Tee Kit Tsun | | | |  |
| Assignment title | | Problem Set 3 | | | | Faculty or school date stamp |
| **STUDENT(S) DETAILS** | | | | | | |
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| (5) |  | | | |  | |

hard copy submission of assessments.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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Contents

[Task 1 3](#_Toc117851893)

[Implementation 3](#_Toc117851894)

[Task 2 4](#_Toc117851895)

[Implementation 4](#_Toc117851896)

[Task 3 6](#_Toc117851897)

[Implementation 6](#_Toc117851898)

[Task 4 9](#_Toc117851899)

[Implementation 9](#_Toc117851900)

[Output 10](#_Toc117851901)

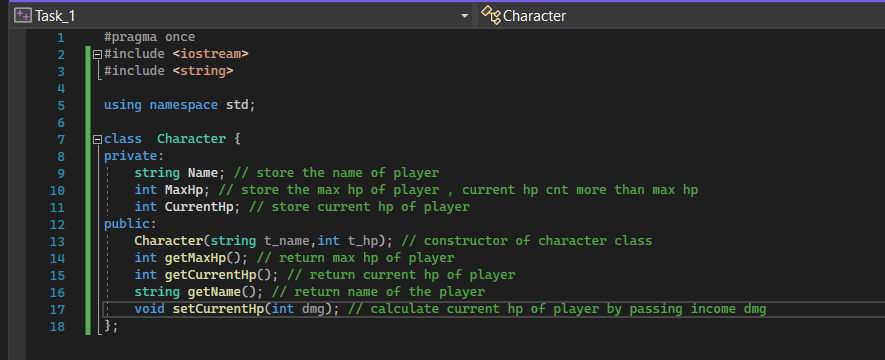
[Task 5 13](#_Toc117851902)

[Implementation 13](#_Toc117851903)

[Output 17](#_Toc117851904)

# Task 1

## Implementation



Text

Description automatically generated

# Task 2

## Implementation

skillNode.h

Text

Description automatically generated

SkillNode.cpp

Text

Description automatically generated

Text

Description automatically generated

# Task 3

## Implementation

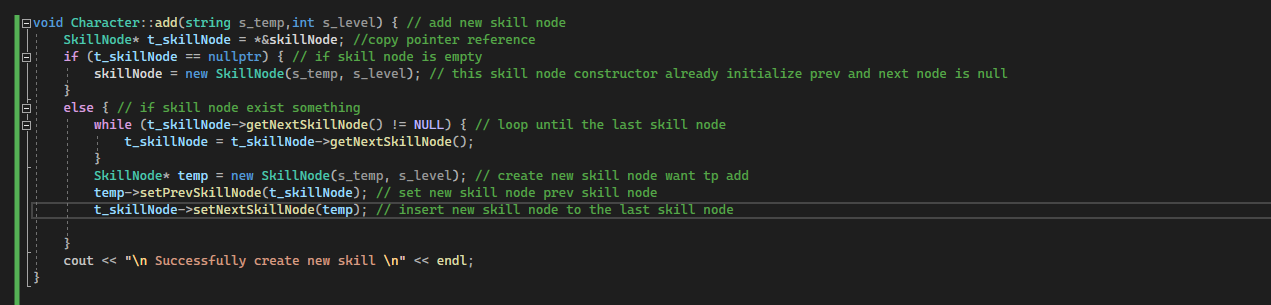
Character.h

A screenshot of a computer

Description automatically generated

Character.cpp

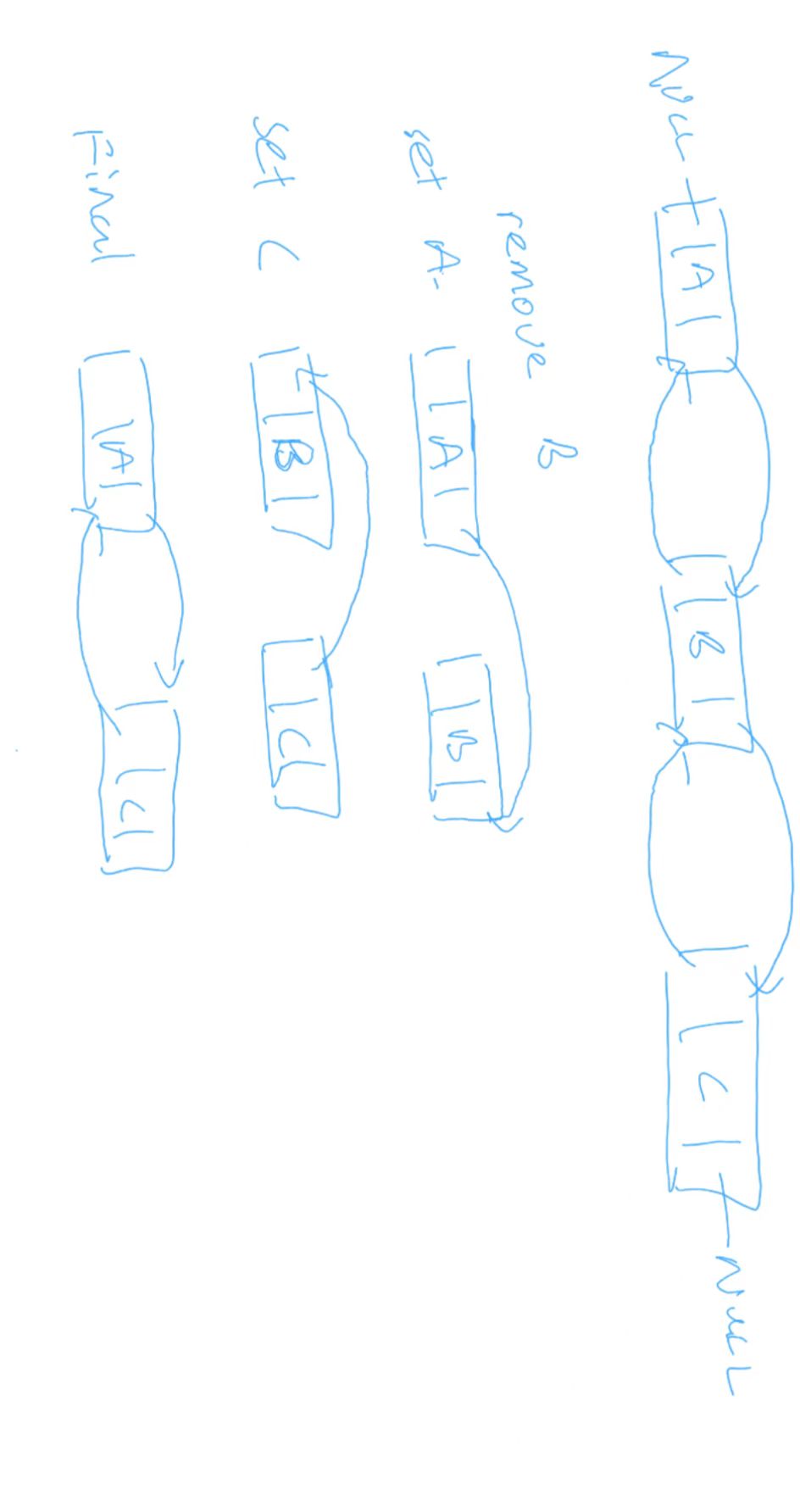
Add



Text, letter

Description automatically generated

Remove

Text

Description automatically generated

Modify

Text

Description automatically generated

Find

Text

Description automatically generated

Read

Shape

Description automatically generated with medium confidence

Other function created

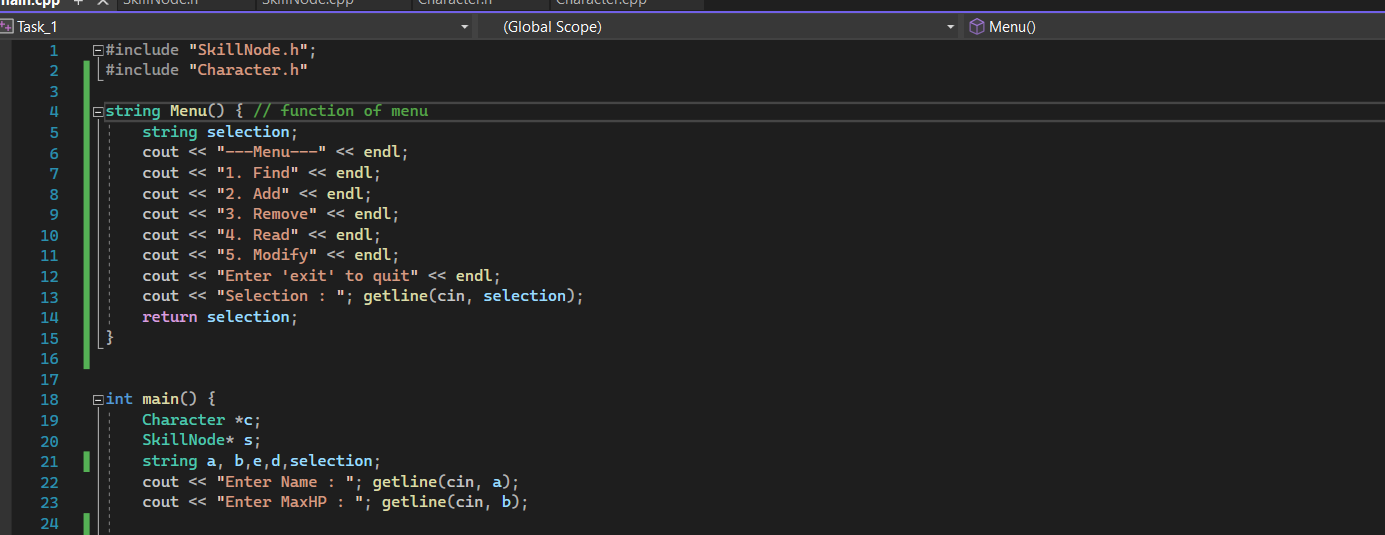
Text

Description automatically generated

# Task 4

## Implementation

Main.cpp

A screenshot of a computer

Description automatically generated with medium confidenceText

Description automatically generated with medium confidence

## Output

Find

Shape

Description automatically generated with medium confidence

Read and Add

Text

Description automatically generated

Modify

Text

Description automatically generated

Remove

Text

Description automatically generated

# Task 5

## Implementation

Main.cpp

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Character.h

Text

Description automatically generated

Character.cpp

Text

Description automatically generated

Text

Description automatically generated

SkillList.h

Text

Description automatically generated

SkillList.cpp

Add back

Text

Description automatically generated

Add front / remove front

Text

Description automatically generated

Remove back/ modify

Text

Description automatically generated

Find / read

Text

Description automatically generated

Print from tail/head

Text

Description automatically generated

## Output

Insert front node

Text

Description automatically generated

Insert back node

Text

Description automatically generated

Remove head

A picture containing text

Description automatically generated

Remove tail

Shape

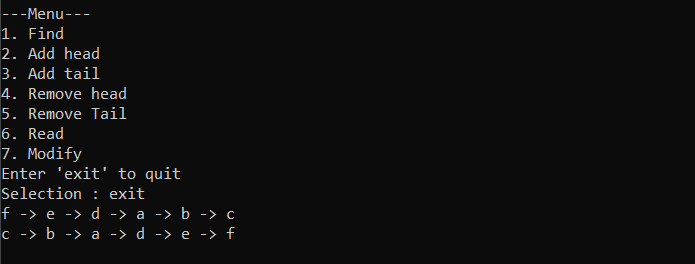
Description automatically generated with medium confidence

Read

Shape

Description automatically generated with medium confidence

Print from tail/head



Modify

Text

Description automatically generated

Find

Text

Description automatically generated with medium confidence