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2) WAP to insert item in middle of the linked list.

⇒
```
#include <stdio.h>
#include <stdlib.h>

Struct Node {
    int data;
    Struct Node * next;
};
Void insert_middle(Struct Node * head, int position, int value) {
Struct Node * newNode = (Struct Node *)malloc(Size of(Struct
                                                    Node));
newNode -> data = value;
Struct Node * temp = head;
for (int i=1; i < position && temp != NULL; i++) {
  temp = temp -> next;
}
if (temp == NULL) {
printf ("Position out of range ! \n");
  return;
}
int main() {
Struct Node* head = (Struct Node*)malloc(Size of(Struct Node));
Struct Node * second = (Struct Node*)malloc(Size of(Struct Node));
Struct Node * third = (Struct Node*)malloc(Size of(Struct Node));
```

Remarks:

Teacher's Signature

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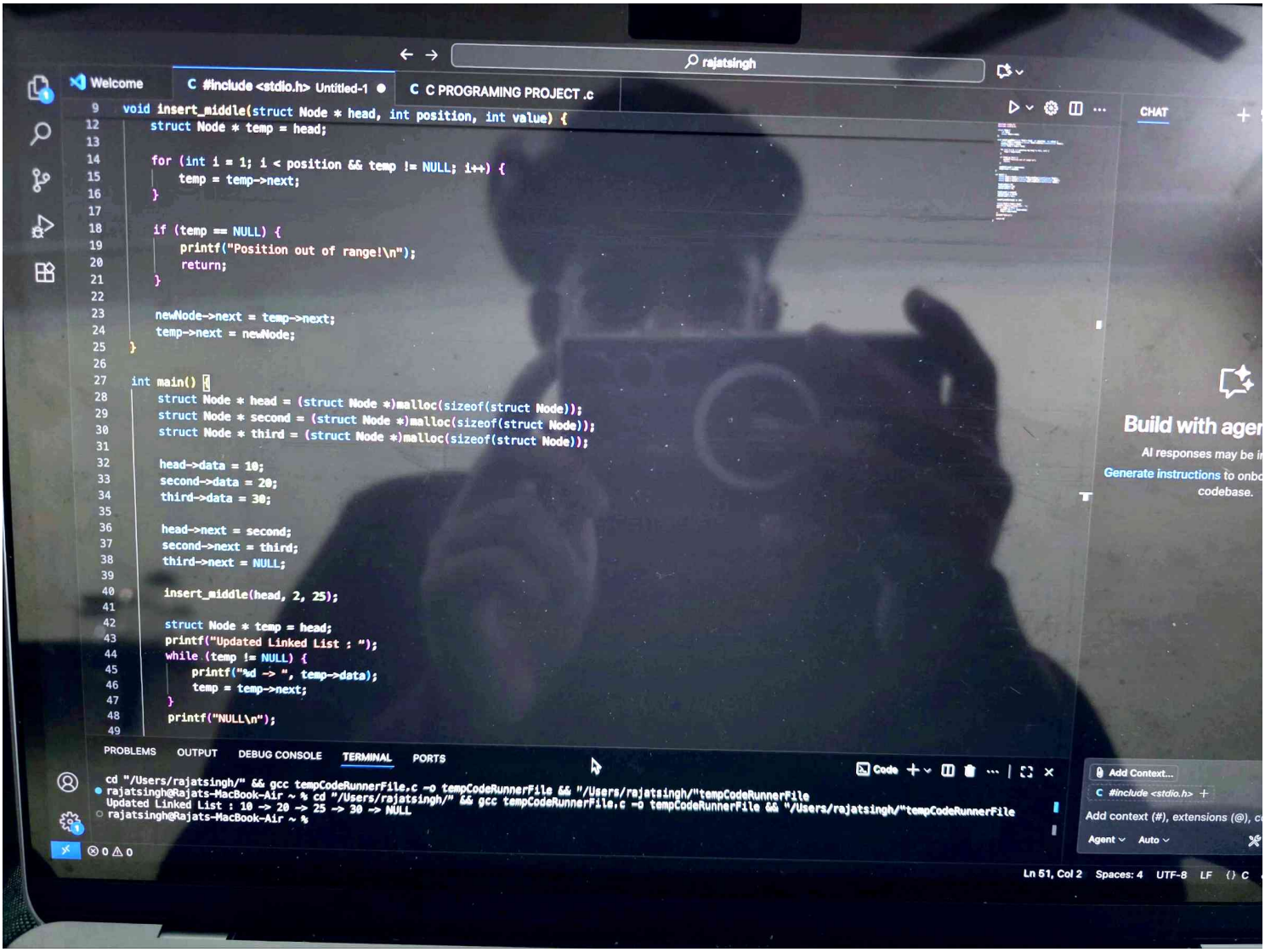
```
head -> data = 10;
Second -> data = 20;
third -> data = 30;

head -> next = &second;
Second -> next = third;
third -> next = NULL;
insert_middle (head, 2, 25);
Struct Node * temp = head;
printf ("Updated linked list :");
While (temp != NULL) {
    printf("%d ->", tempo -> data);
temp = temp -> next;

}
printf ("NULL\n");
  return 0;
}
```


rajatsingh
Welcome
#include <stdio.h> Untitled-1
C PROGRAMING PROJECT .c
CHAT
void insert_middle(struct Node * head, int position, int value) {
struct Node * temp = head;
for (int i = 1; i < position && temp != NULL; i++) {
temp = temp->next;
}
if (temp == NULL) {
printf("Position out of range!\n");
return;
}
newNode->next = temp->next;
temp->next = newNode;
}
int main() {
struct Node * head = (struct Node *)malloc(sizeof(struct Node));
struct Node * second = (struct Node *)malloc(sizeof(struct Node));
struct Node * third = (struct Node *)malloc(sizeof(struct Node));
head->data = 10;
second->data = 20;
third->data = 30;
head->next = second;
second->next = third;
third->next = NULL;
insert_middle(head, 2, 25);
struct Node * temp = head;
printf("Updated Linked List : ");
while (temp != NULL) {
printf("%d -> ", temp->data);
temp = temp->next;
}
printf("NULL\n");
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
cd "/Users/rajatsingh/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/Users/rajatsingh/"tempCodeRunnerFile
rajatsingh@Rajats-MacBook-Air ~ % cd "/Users/rajatsingh/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/Users/rajatsingh/"tempCodeRunnerFile
Updated Linked List : 10 -> 20 -> 25 -> 30 -> NULL
rajatsingh@Rajats-MacBook-Air ~ %
Build with ager
AI responses may be i
Generate instructions to onbo
codebase.
Add Context...
#include <stdio.h>
Add context (#), extensions (@), c
Agent
Auto
Ln 61, Col 2
Spaces: 4
UTF-8
LF
{} C