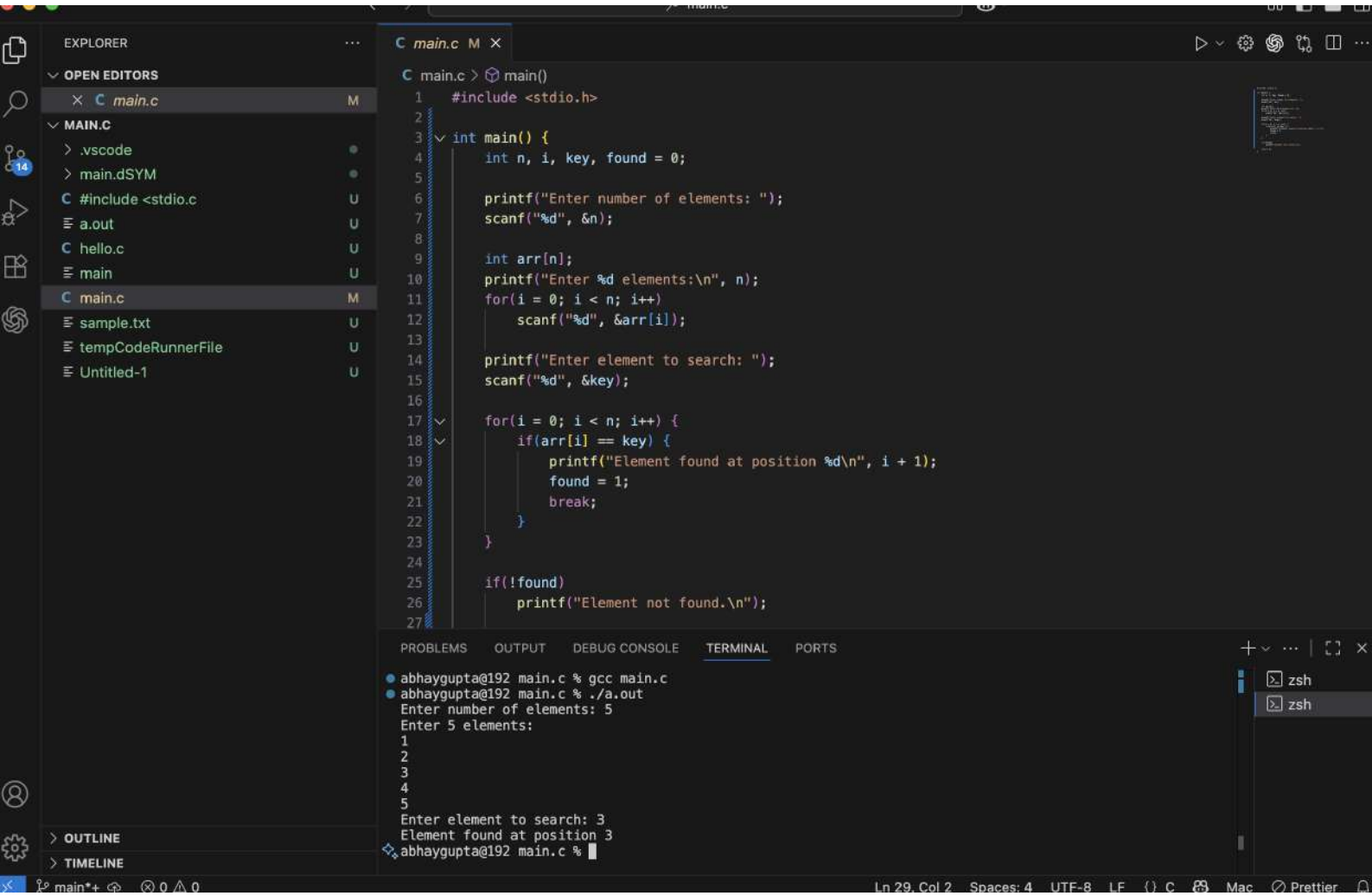
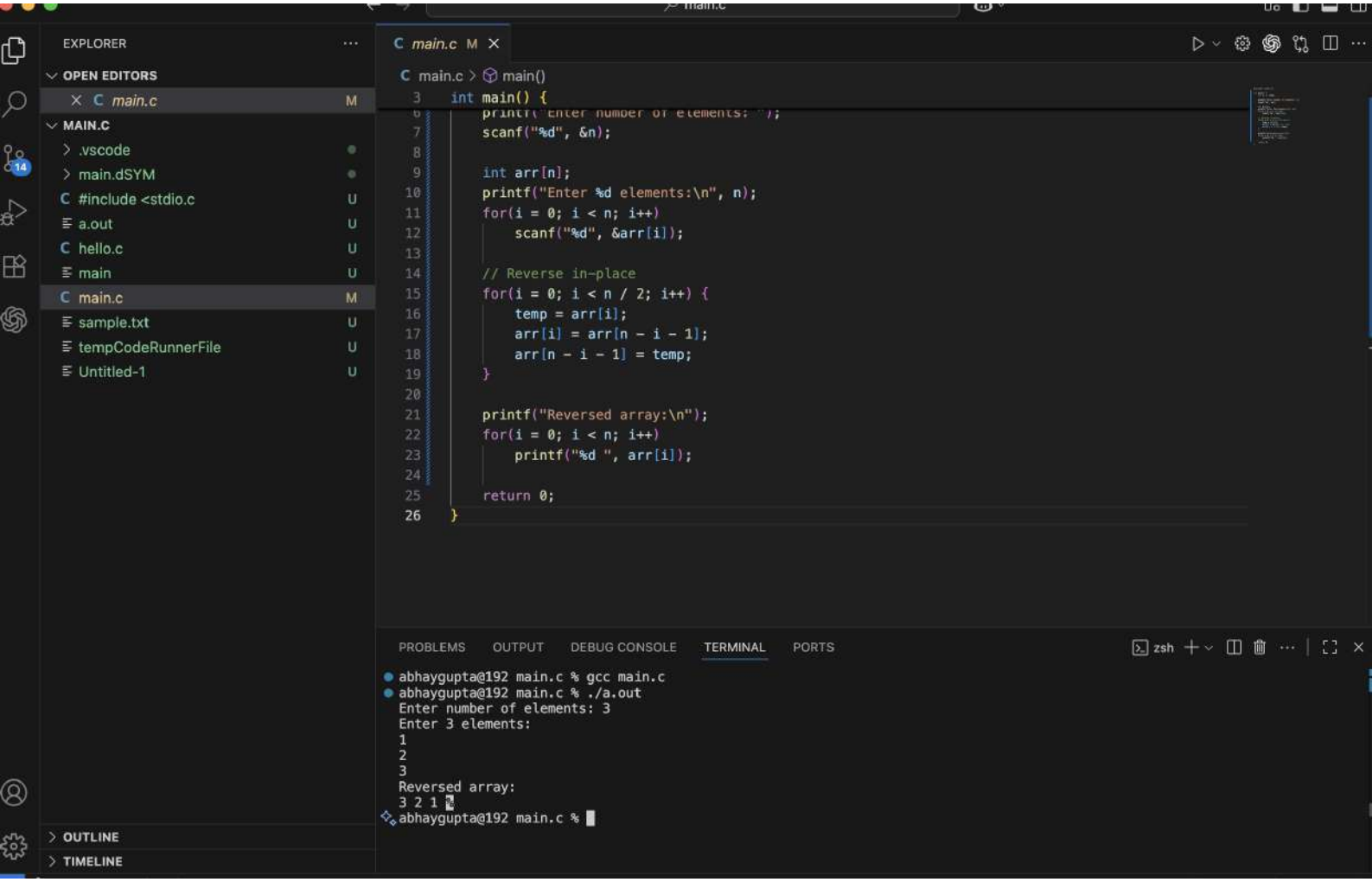
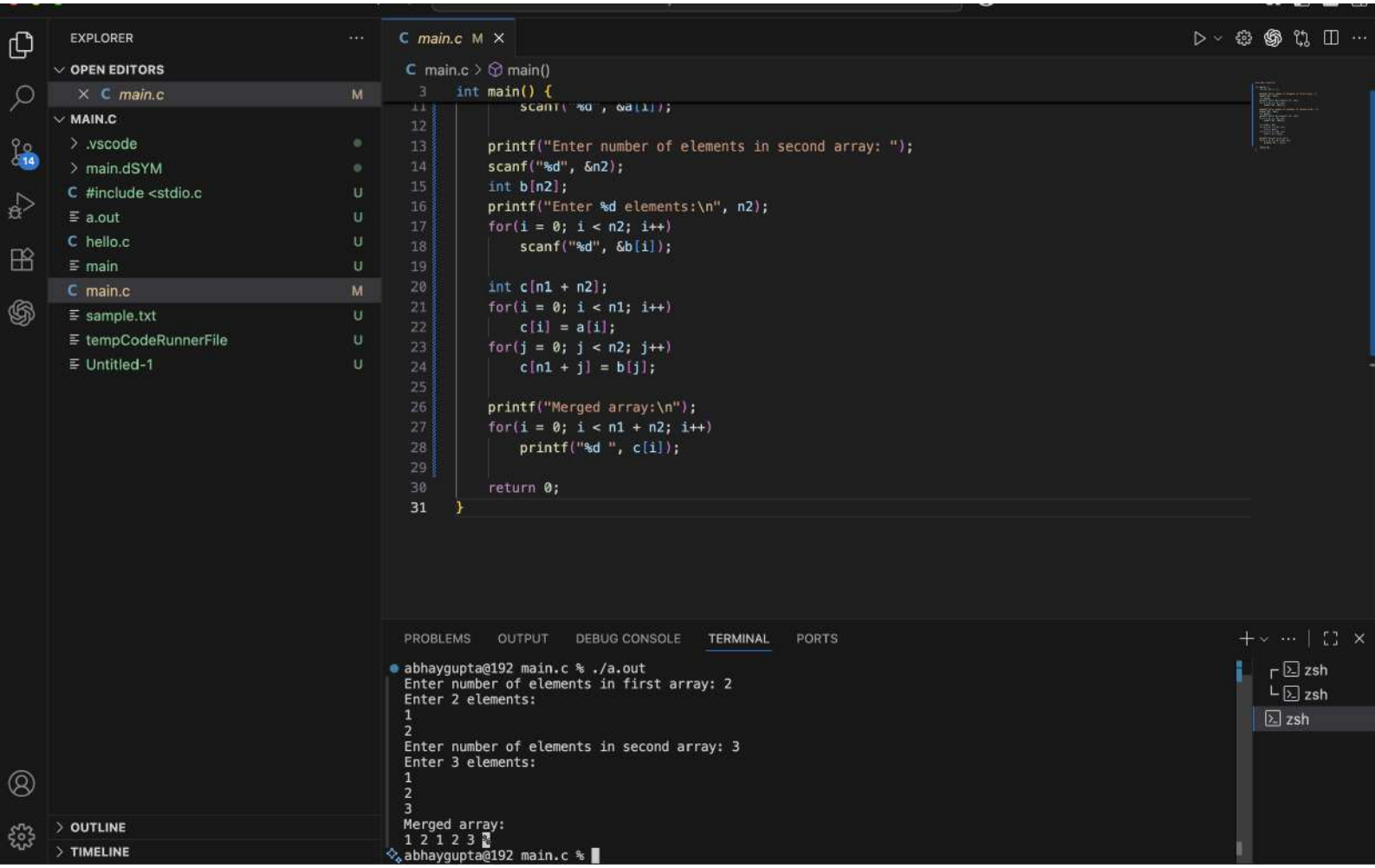
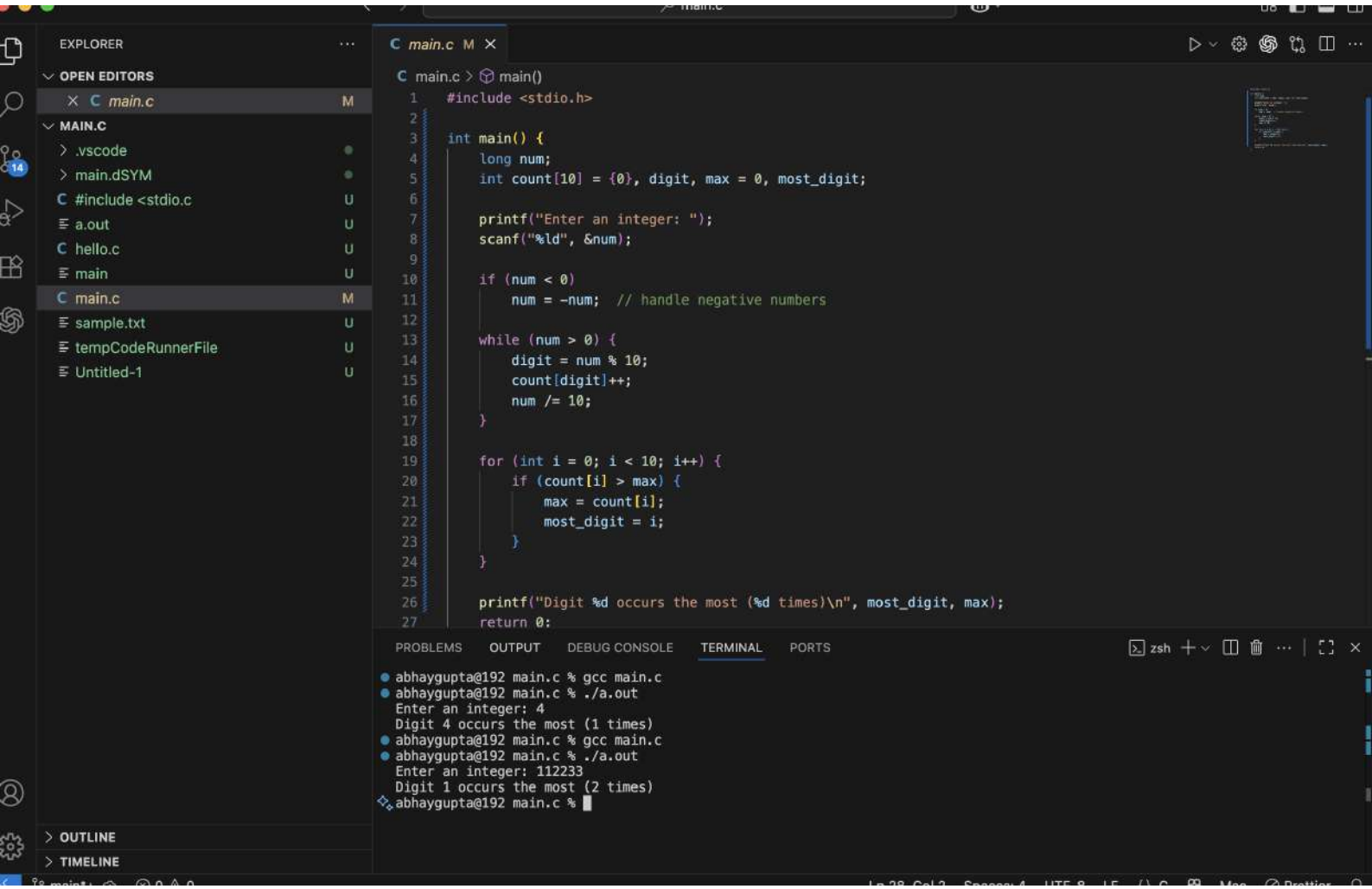
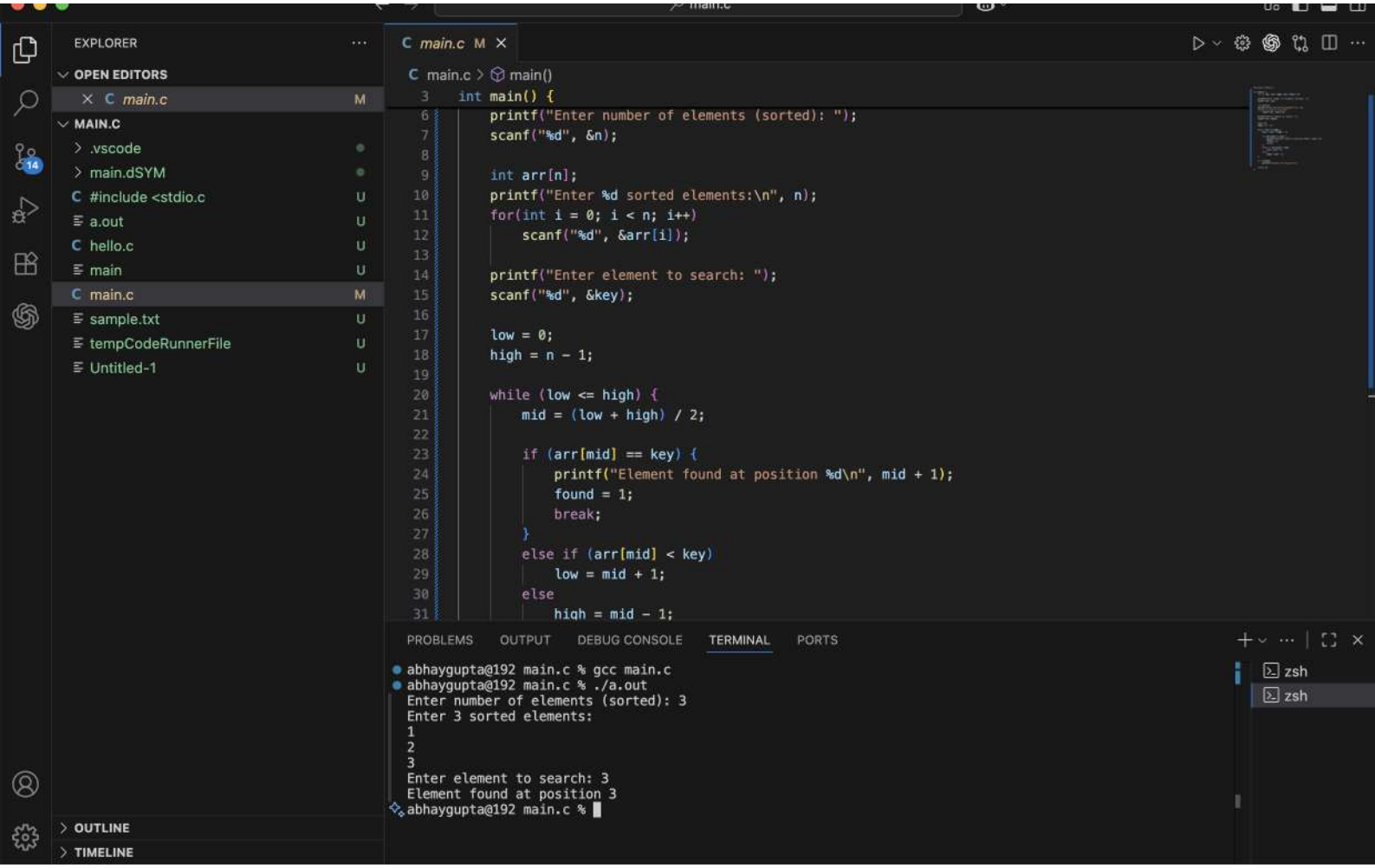
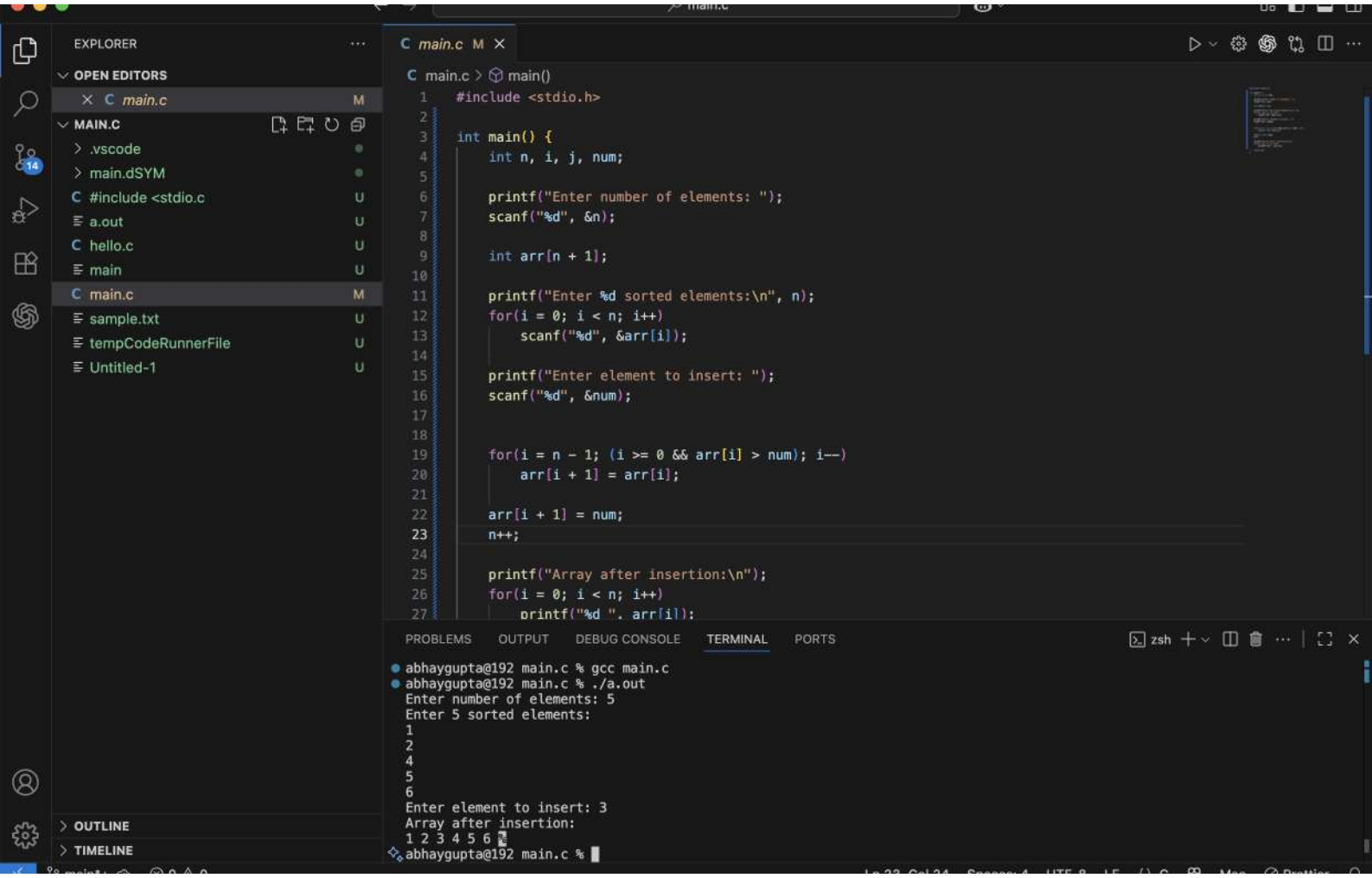

EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
#include <stdio.h>
int main() {
int n, i, key, found = 0;
printf("Enter number of elements: ");
scanf("%d", &n);
int arr[n];
printf("Enter %d elements:\n", n);
for(i = 0; i < n; i++)
scanf("%d", &arr[i]);
printf("Enter element to search: ");
scanf("%d", &key);
for(i = 0; i < n; i++) {
if(arr[i] == key) {
printf("Element found at position %d\n", i + 1);
found = 1;
break;
}
}
if(!found)
printf("Element not found.\n");
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
abhaygupta@192 main.c % gcc main.c
abhaygupta@192 main.c % ./a.out
Enter number of elements: 5
Enter 5 elements:
1
2
3
4
5
Enter element to search: 3
Element found at position 3
abhaygupta@192 main.c %
zsh
zsh
main*+
0 0
Ln 29, Col 2
Spaces: 4
UTF-8
LF
C
Mac
Prettier

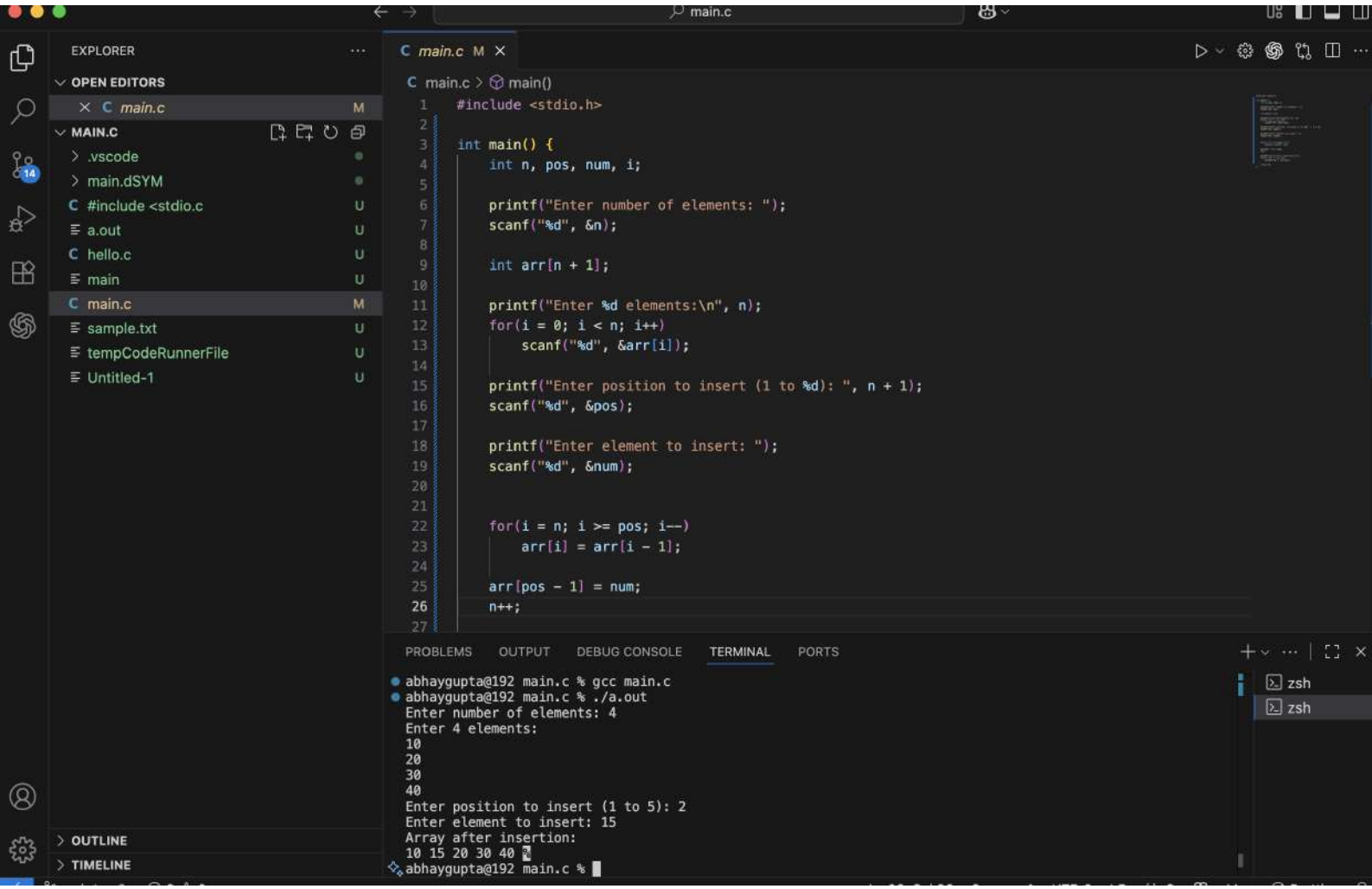

EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
int main() {
printf("Enter number of elements: ");
scanf("%d", &n);
int arr[n];
printf("Enter %d elements:\n", n);
for(i = 0; i < n; i++)
scanf("%d", &arr[i]);
// Reverse in-place
for(i = 0; i < n / 2; i++) {
temp = arr[i];
arr[i] = arr[n - i - 1];
arr[n - i - 1] = temp;
}
printf("Reversed array:\n");
for(i = 0; i < n; i++)
printf("%d ", arr[i]);
return 0;
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
zsh
abhaygupta@192 main.c % gcc main.c
abhaygupta@192 main.c % ./a.out
Enter number of elements: 3
Enter 3 elements:
1
2
3
Reversed array:
3 2 1
abhaygupta@192 main.c %

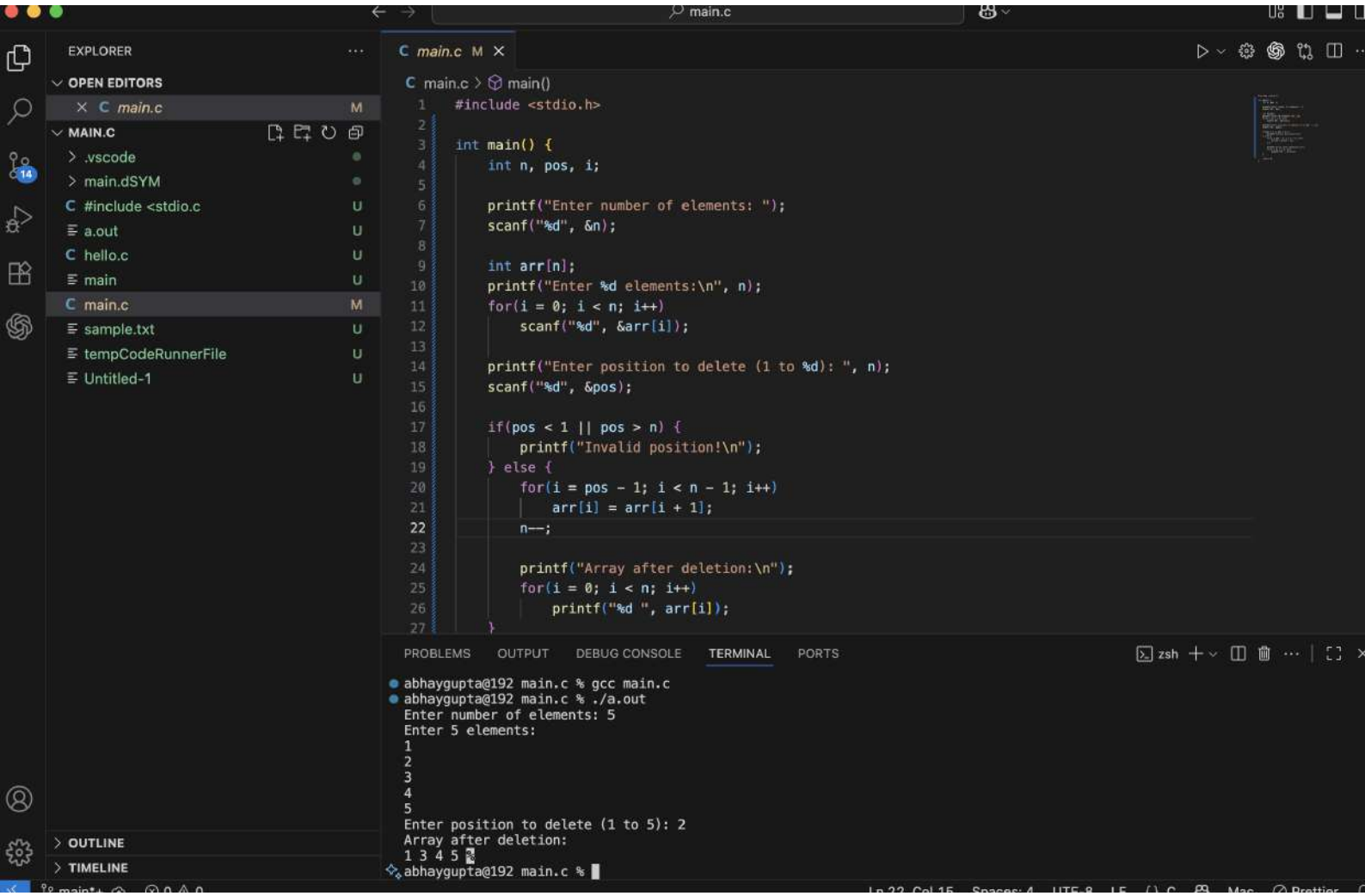

EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
int main() {
scanf("%d", &a[i]);
printf("Enter number of elements in second array: ");
scanf("%d", &n2);
int b[n2];
printf("Enter %d elements:\n", n2);
for(i = 0; i < n2; i++)
scanf("%d", &b[i]);
int c[n1 + n2];
for(i = 0; i < n1; i++)
c[i] = a[i];
for(j = 0; j < n2; j++)
c[n1 + j] = b[j];
printf("Merged array:\n");
for(i = 0; i < n1 + n2; i++)
printf("%d ", c[i]);
return 0;
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
abhaygupta@192 main.c % ./a.out
Enter number of elements in first array: 2
Enter 2 elements:
1
2
Enter number of elements in second array: 3
Enter 3 elements:
1
2
3
Merged array:
1 2 1 2 3
abhaygupta@192 main.c %
zsh
zsh
zsh

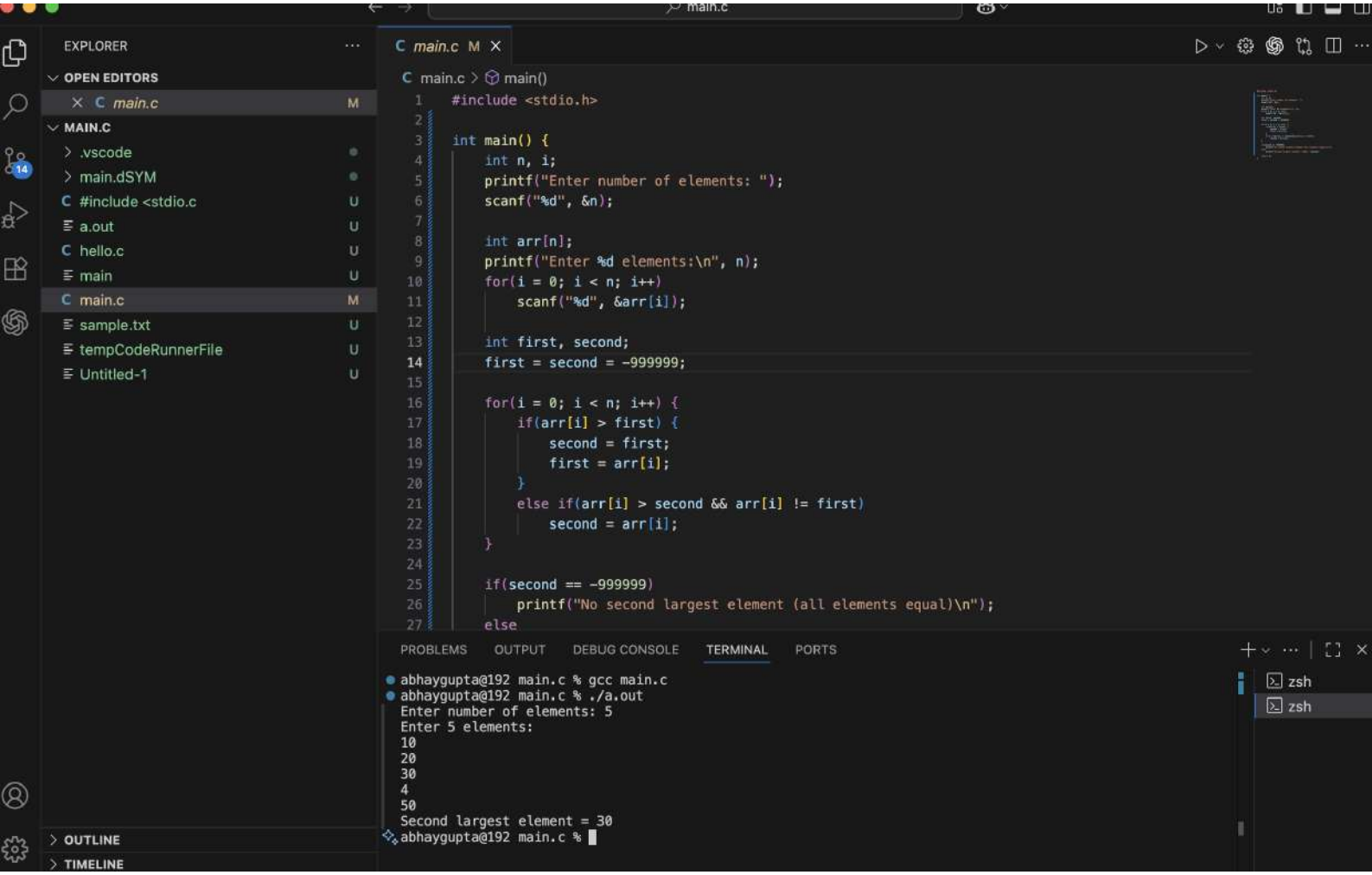

EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
#include <stdio.h>
int main() {
long num;
int count[10] = {0}, digit, max = 0, most_digit;
printf("Enter an integer: ");
scanf("%ld", &num);
if (num < 0)
num = -num; // handle negative numbers
while (num > 0) {
digit = num % 10;
count[digit]++;
num /= 10;
}
for (int i = 0; i < 10; i++) {
if (count[i] > max) {
max = count[i];
most_digit = i;
}
}
printf("Digit %d occurs the most (%d times)\n", most_digit, max);
return 0;
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
zsh
abhaygupta@192 main.c % gcc main.c
abhaygupta@192 main.c % ./a.out
Enter an integer: 4
Digit 4 occurs the most (1 times)
abhaygupta@192 main.c % gcc main.c
abhaygupta@192 main.c % ./a.out
Enter an integer: 112233
Digit 1 occurs the most (2 times)
abhaygupta@192 main.c %

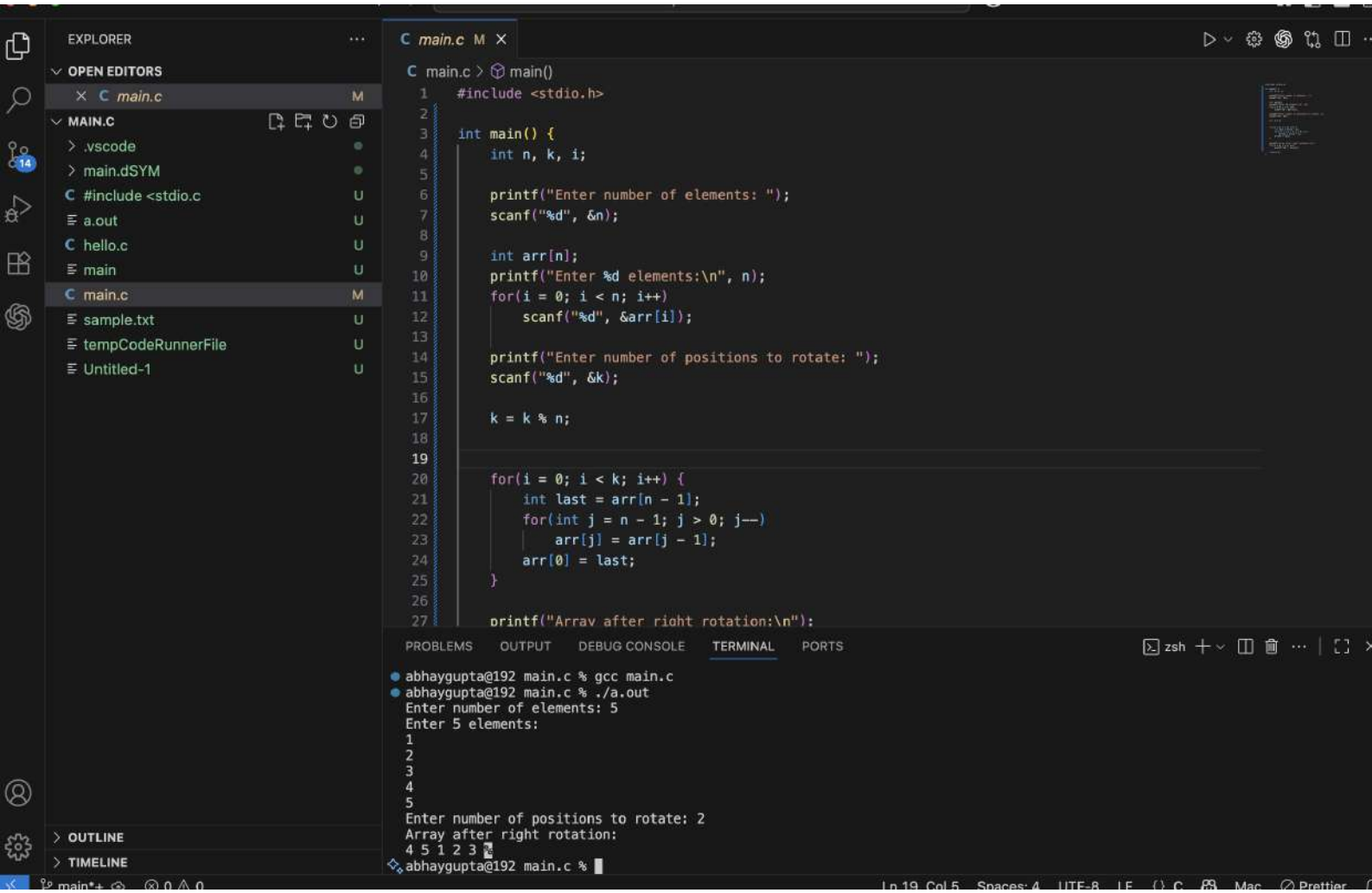

EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
int main() {
printf("Enter number of elements (sorted): ");
scanf("%d", &n);
int arr[n];
printf("Enter %d sorted elements:\n", n);
for(int i = 0; i < n; i++)
scanf("%d", &arr[i]);
printf("Enter element to search: ");
scanf("%d", &key);
low = 0;
high = n - 1;
while (low <= high) {
mid = (low + high) / 2;
if (arr[mid] == key) {
printf("Element found at position %d\n", mid + 1);
found = 1;
break;
}
else if (arr[mid] < key)
low = mid + 1;
else
high = mid - 1;
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
abhaygupta@192 main.c % gcc main.c
abhaygupta@192 main.c % ./a.out
Enter number of elements (sorted): 3
Enter 3 sorted elements:
1
2
3
Enter element to search: 3
Element found at position 3
abhaygupta@192 main.c %
zsh
zsh


EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
#include <stdio.h>
int main() {
int n, i, j, num;
printf("Enter number of elements: ");
scanf("%d", &n);
int arr[n + 1];
printf("Enter %d sorted elements:\n", n);
for(i = 0; i < n; i++)
scanf("%d", &arr[i]);
printf("Enter element to insert: ");
scanf("%d", &num);
for(i = n - 1; (i >= 0 && arr[i] > num); i--)
arr[i + 1] = arr[i];
arr[i + 1] = num;
n++;
printf("Array after insertion:\n");
for(i = 0; i < n; i++)
printf("%d ", arr[i]);
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
zsh
abhaygupta@192 main.c % gcc main.c
abhaygupta@192 main.c % ./a.out
Enter number of elements: 5
Enter 5 sorted elements:
1
2
4
5
6
Enter element to insert: 3
Array after insertion:
1 2 3 4 5 6
abhaygupta@192 main.c %


main.c
EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
#include <stdio.h>
int main() {
int n, pos, num, i;
printf("Enter number of elements: ");
scanf("%d", &n);
int arr[n + 1];
printf("Enter %d elements:\n", n);
for(i = 0; i < n; i++)
scanf("%d", &arr[i]);
printf("Enter position to insert (1 to %d): ", n + 1);
scanf("%d", &pos);
printf("Enter element to insert: ");
scanf("%d", &num);
for(i = n; i >= pos; i--)
arr[i] = arr[i - 1];
arr[pos - 1] = num;
n++;
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
abhaygupta@192 main.c % gcc main.c
abhaygupta@192 main.c % ./a.out
Enter number of elements: 4
Enter 4 elements:
10
20
30
40
Enter position to insert (1 to 5): 2
Enter element to insert: 15
Array after insertion:
10 15 20 30 40
abhaygupta@192 main.c %
zsh
zsh


main.c
EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
#include <stdio.h>
int main() {
int n, pos, i;
printf("Enter number of elements: ");
scanf("%d", &n);
int arr[n];
printf("Enter %d elements:\n", n);
for(i = 0; i < n; i++)
scanf("%d", &arr[i]);
printf("Enter position to delete (1 to %d): ", n);
scanf("%d", &pos);
if(pos < 1 || pos > n) {
printf("Invalid position!\n");
} else {
for(i = pos - 1; i < n - 1; i++)
arr[i] = arr[i + 1];
n--;
printf("Array after deletion:\n");
for(i = 0; i < n; i++)
printf("%d ", arr[i]);
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
zsh
abhaygupta@192 main.c % gcc main.c
abhaygupta@192 main.c % ./a.out
Enter number of elements: 5
Enter 5 elements:
1
2
3
4
5
Enter position to delete (1 to 5): 2
Array after deletion:
1 3 4 5
abhaygupta@192 main.c %


EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
#include <stdio.h>
int main() {
int n, i;
printf("Enter number of elements: ");
scanf("%d", &n);
int arr[n];
printf("Enter %d elements:\n", n);
for(i = 0; i < n; i++)
scanf("%d", &arr[i]);
int first, second;
first = second = -999999;
for(i = 0; i < n; i++) {
if(arr[i] > first) {
second = first;
first = arr[i];
}
else if(arr[i] > second && arr[i] != first)
second = arr[i];
}
if(second == -999999)
printf("No second largest element (all elements equal)\n");
else
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
abhaygupta@192 main.c % gcc main.c
abhaygupta@192 main.c % ./a.out
Enter number of elements: 5
Enter 5 elements:
10
20
30
4
50
Second largest element = 30
abhaygupta@192 main.c %
zsh
zsh


EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
#include <stdio.h>
int main() {
int n, k, i;
printf("Enter number of elements: ");
scanf("%d", &n);
int arr[n];
printf("Enter %d elements:\n", n);
for(i = 0; i < n; i++)
scanf("%d", &arr[i]);
printf("Enter number of positions to rotate: ");
scanf("%d", &k);
k = k % n;
for(i = 0; i < k; i++) {
int last = arr[n - 1];
for(int j = n - 1; j > 0; j--)
arr[j] = arr[j - 1];
arr[0] = last;
}
printf("Array after right rotation:\n");
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
zsh
abhaygupta@192 main.c % gcc main.c
abhaygupta@192 main.c % ./a.out
Enter number of elements: 5
Enter 5 elements:
1
2
3
4
5
Enter number of positions to rotate: 2
Array after right rotation:
4 5 1 2 3
abhaygupta@192 main.c %
Ln 19, Col 5
Spaces: 4
UTF-8
LF
C
Mac
Prettier