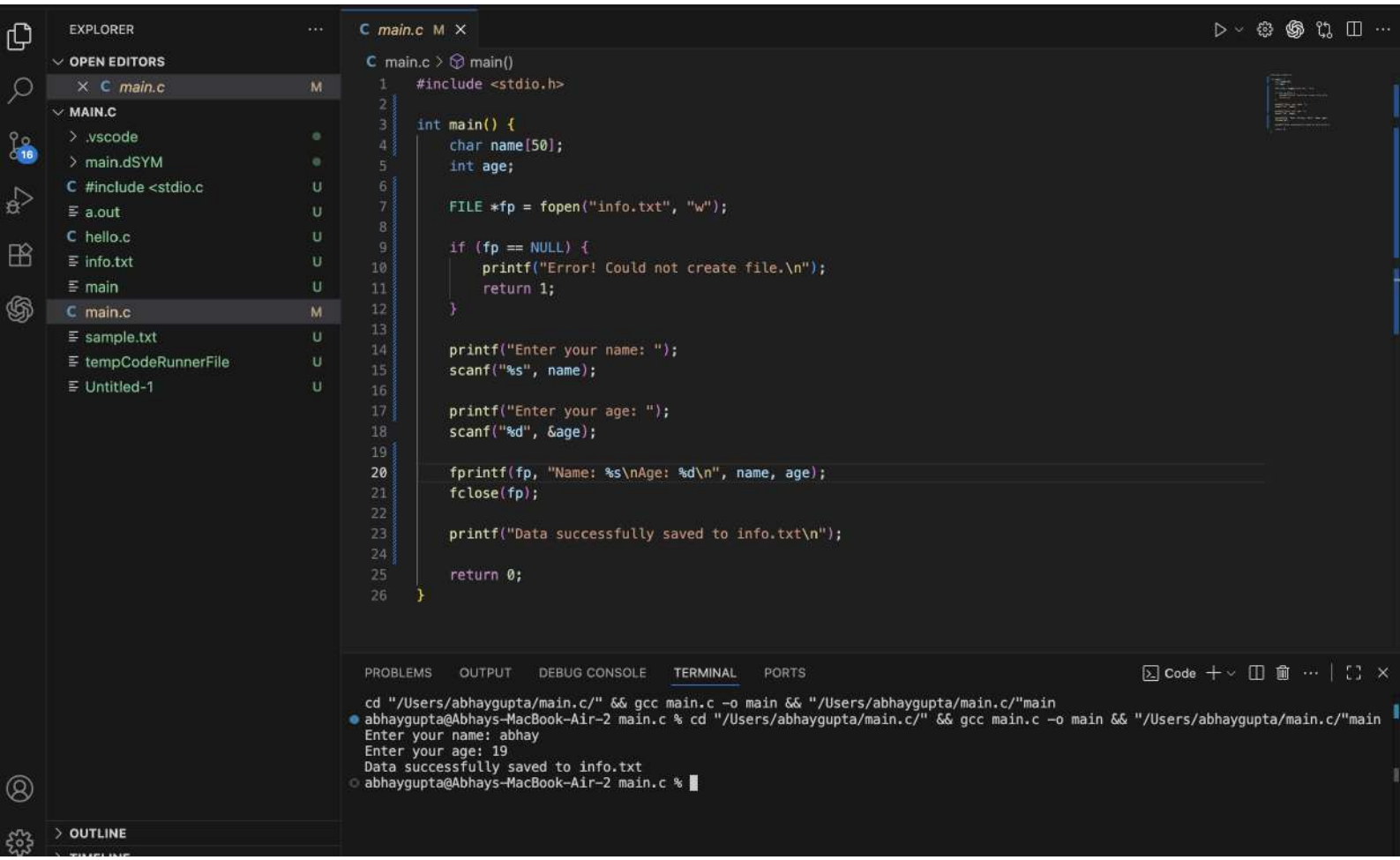
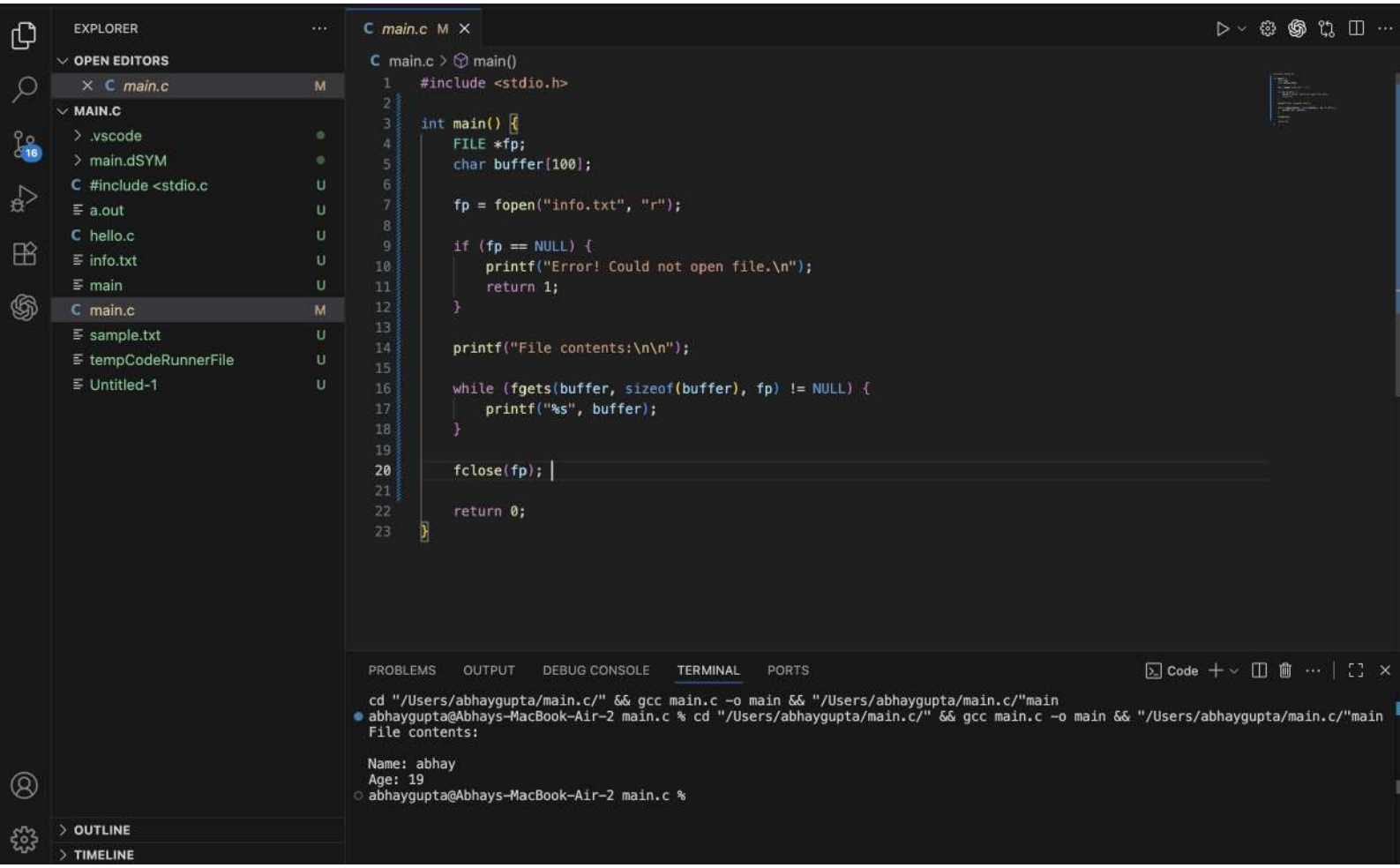
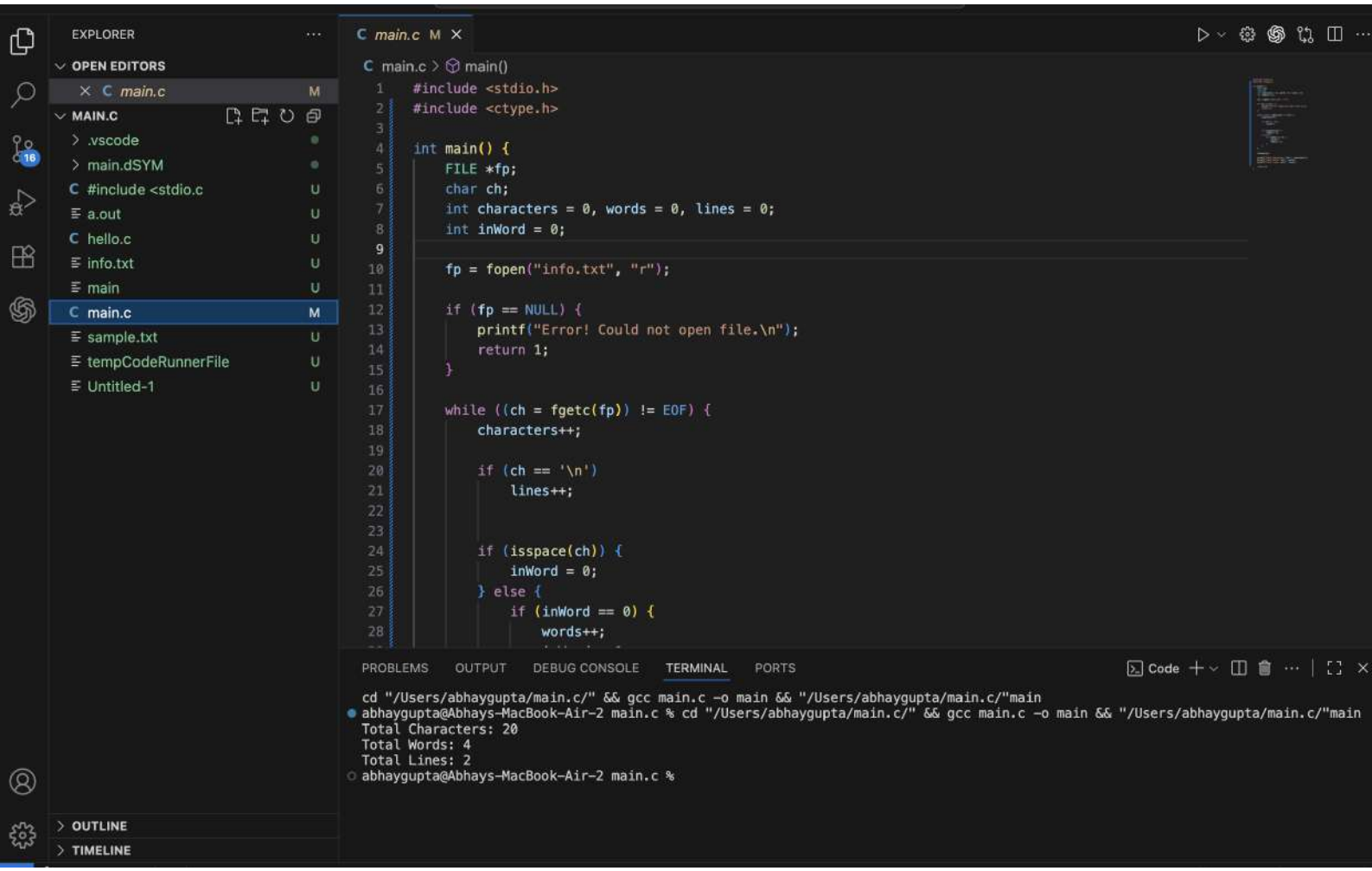
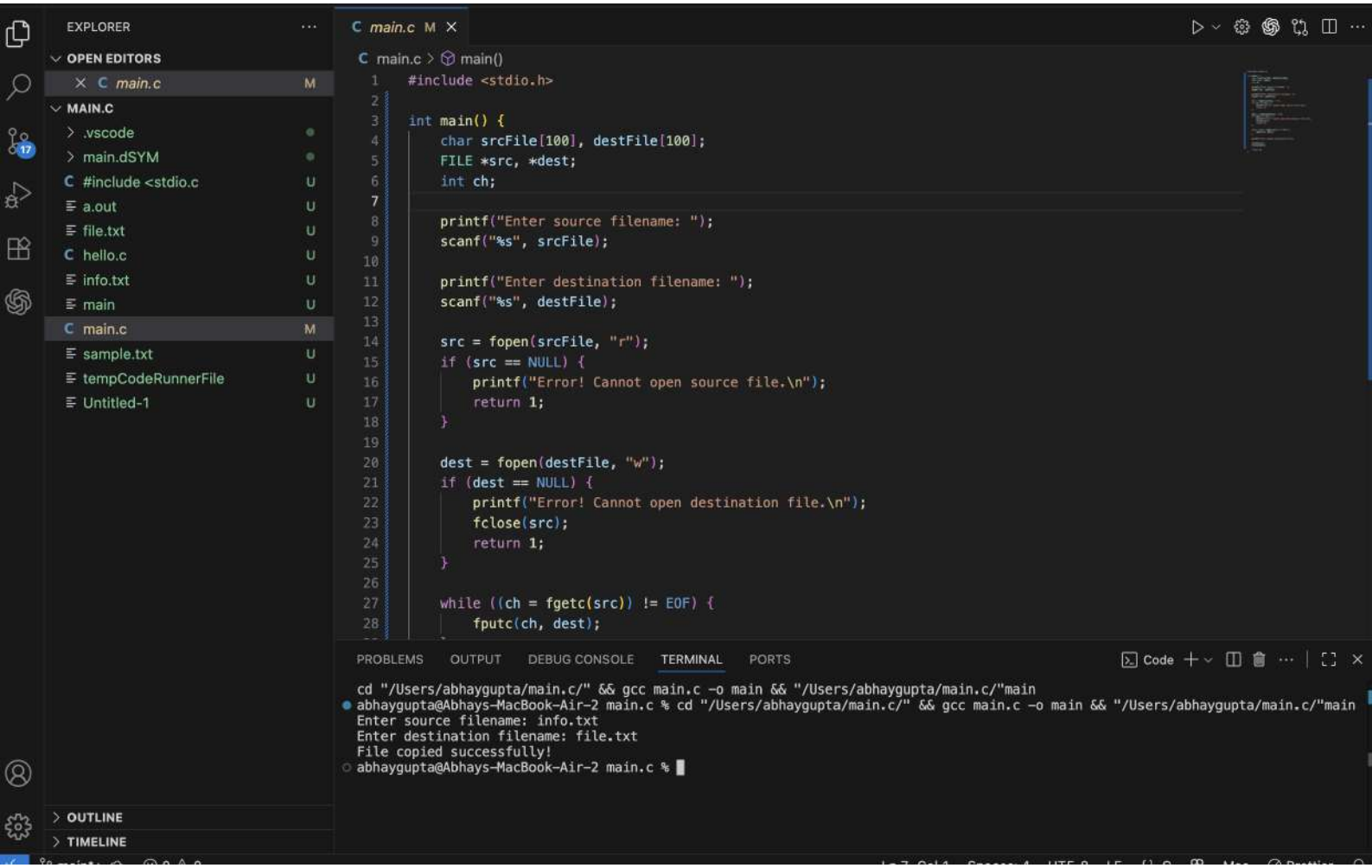
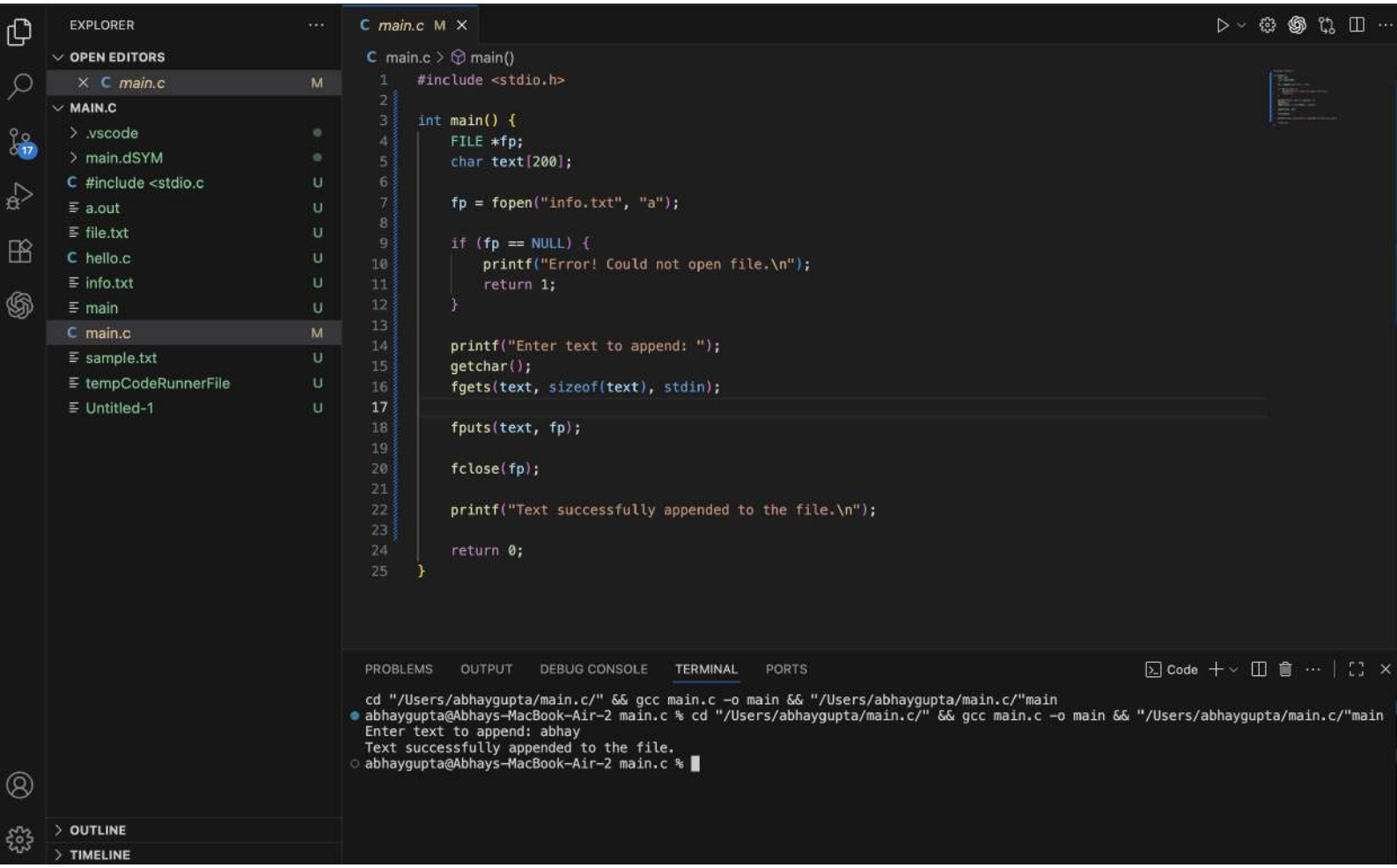
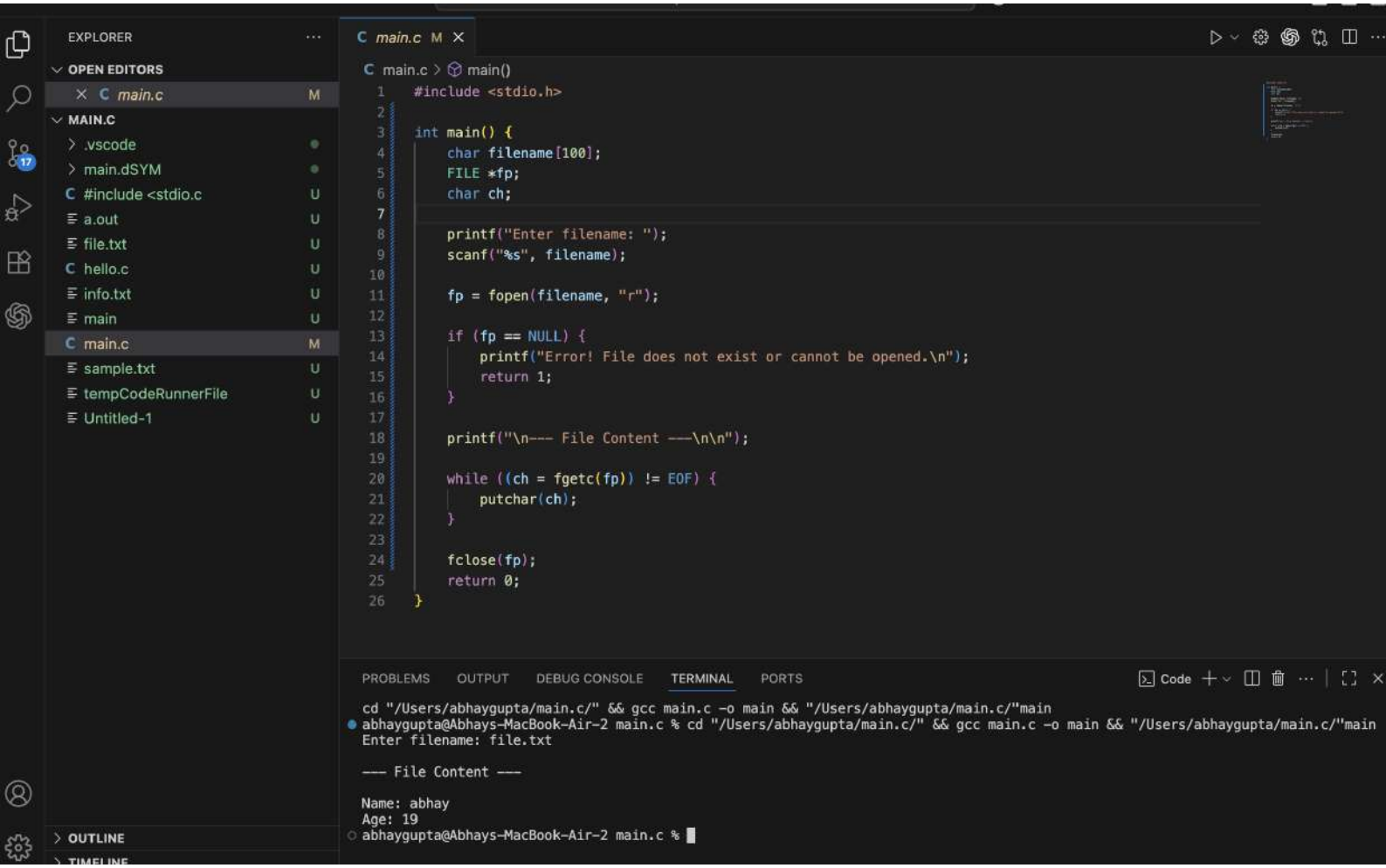

EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
info.txt U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
main.c
main()
#include <stdio.h>
int main() {
char name[50];
int age;
FILE *fp = fopen("info.txt", "w");
if (fp == NULL) {
printf("Error! Could not create file.\n");
return 1;
}
printf("Enter your name: ");
scanf("%s", name);
printf("Enter your age: ");
scanf("%d", &age);
fprintf(fp, "Name: %s\nAge: %d\n", name, age);
fclose(fp);
printf("Data successfully saved to info.txt\n");
return 0;
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Code
cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
abhaygupta@Abhays-MacBook-Air-2 main.c % cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
Enter your name: abhay
Enter your age: 19
Data successfully saved to info.txt
abhaygupta@Abhays-MacBook-Air-2 main.c %

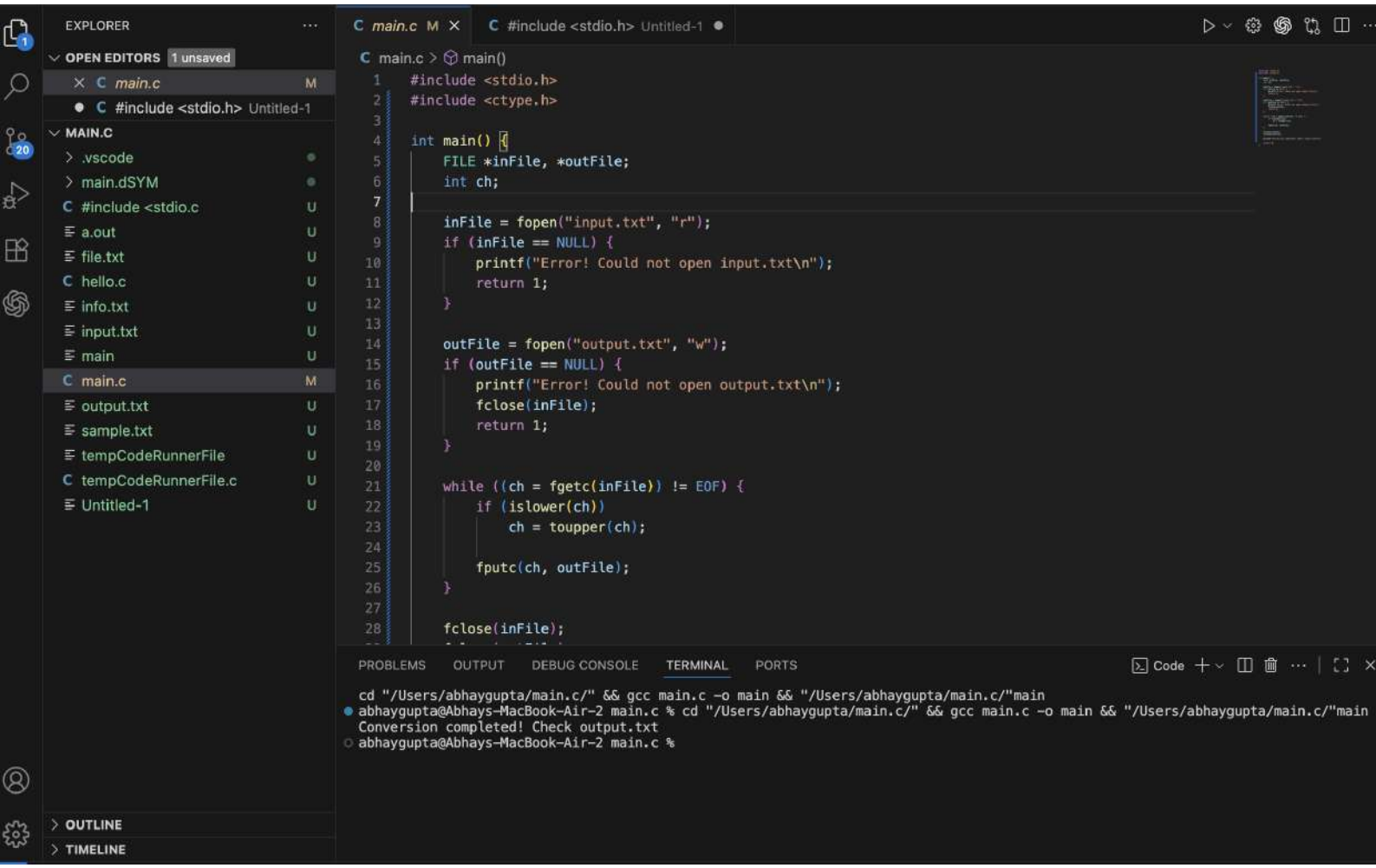

EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
info.txt U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
#include <stdio.h>
int main() {
FILE *fp;
char buffer[100];
fp = fopen("info.txt", "r");
if (fp == NULL) {
printf("Error! Could not open file.\n");
return 1;
}
printf("File contents:\n\n");
while (fgets(buffer, sizeof(buffer), fp) != NULL) {
printf("%s", buffer);
}
fclose(fp);
return 0;
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Code
cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
abhaygupta@Abhays-MacBook-Air-2 main.c % cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
File contents:
Name: abhay
Age: 19
abhaygupta@Abhays-MacBook-Air-2 main.c %

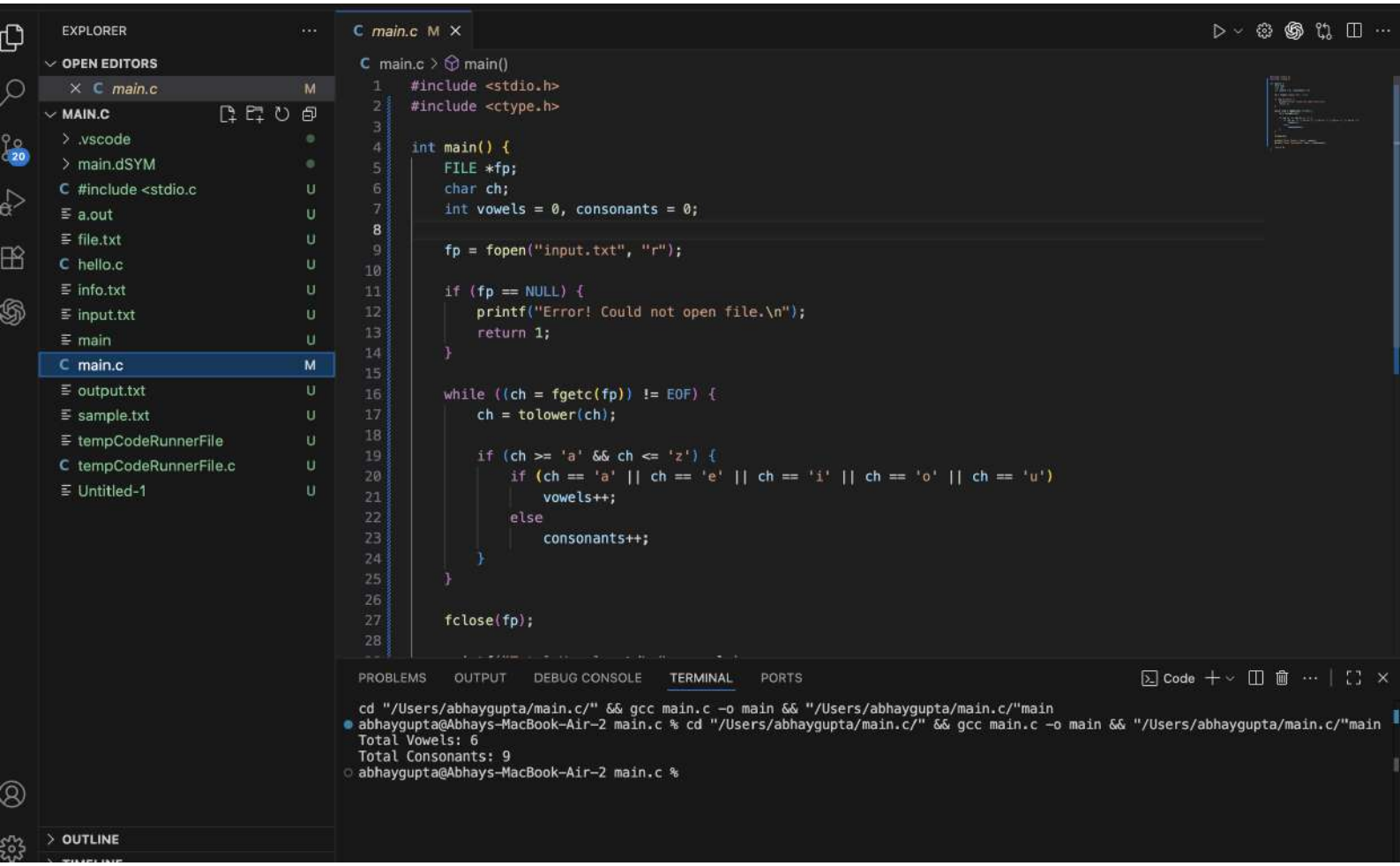

EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
hello.c U
info.txt U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
#include <stdio.h>
#include <ctype.h>
int main() {
FILE *fp;
char ch;
int characters = 0, words = 0, lines = 0;
int inWord = 0;
fp = fopen("info.txt", "r");
if (fp == NULL) {
printf("Error! Could not open file.\n");
return 1;
}
while ((ch = fgetc(fp)) != EOF) {
characters++;
if (ch == '\n')
lines++;
if (isspace(ch)) {
inWord = 0;
} else {
if (inWord == 0) {
words++;
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Code
cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
abhaygupta@Abhays-MacBook-Air-2 main.c % cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
Total Characters: 20
Total Words: 4
Total Lines: 2
abhaygupta@Abhays-MacBook-Air-2 main.c %

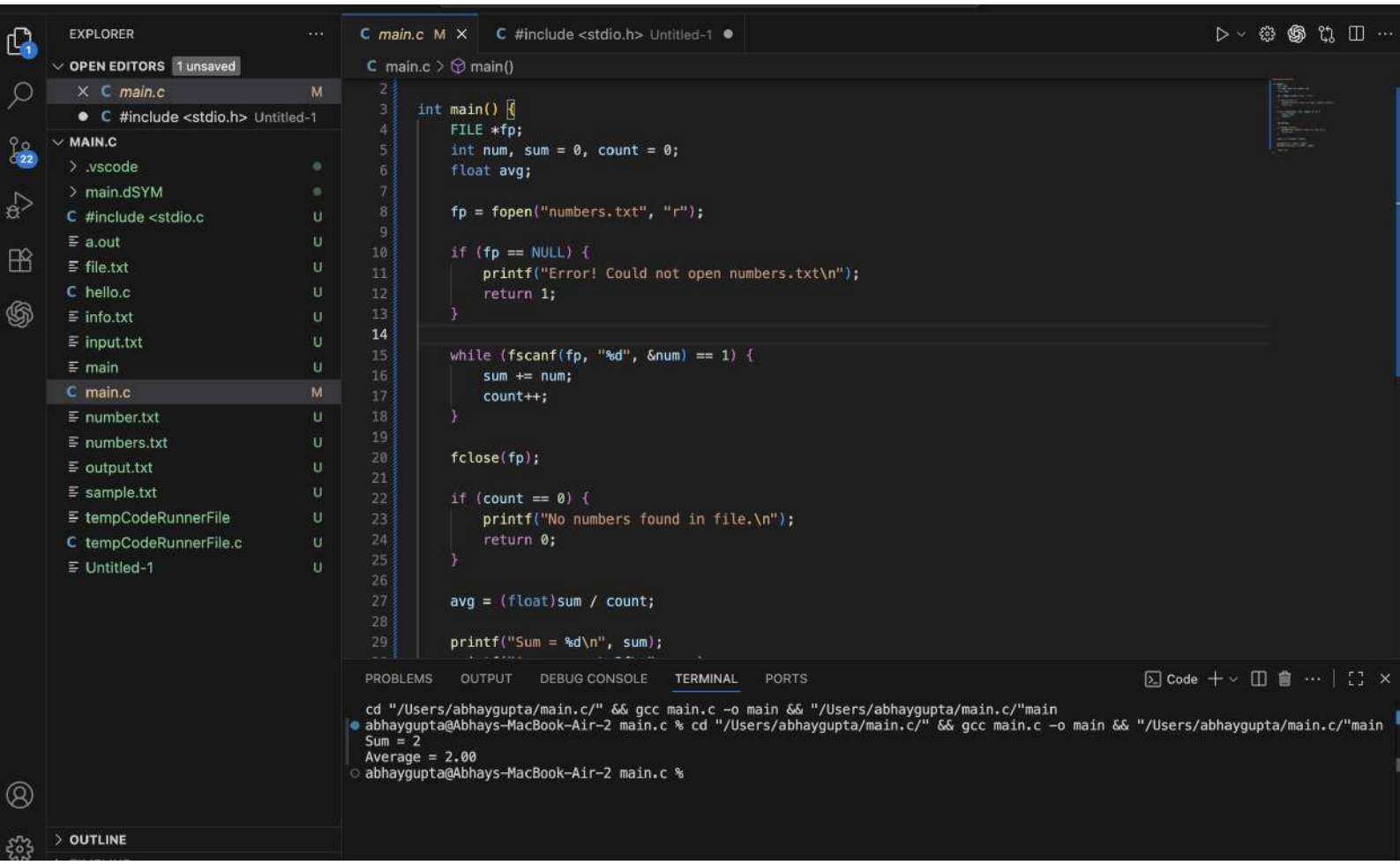

EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
file.txt U
hello.c U
info.txt U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
#include <stdio.h>
int main() {
char srcFile[100], destFile[100];
FILE *src, *dest;
int ch;
printf("Enter source filename: ");
scanf("%s", srcFile);
printf("Enter destination filename: ");
scanf("%s", destFile);
src = fopen(srcFile, "r");
if (src == NULL) {
printf("Error! Cannot open source file.\n");
return 1;
}
dest = fopen(destFile, "w");
if (dest == NULL) {
printf("Error! Cannot open destination file.\n");
fclose(src);
return 1;
}
while ((ch = fgetc(src)) != EOF) {
fputc(ch, dest);
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Code
cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
abhaygupta@Abhays-MacBook-Air-2 main.c % cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
Enter source filename: info.txt
Enter destination filename: file.txt
File copied successfully!
abhaygupta@Abhays-MacBook-Air-2 main.c %

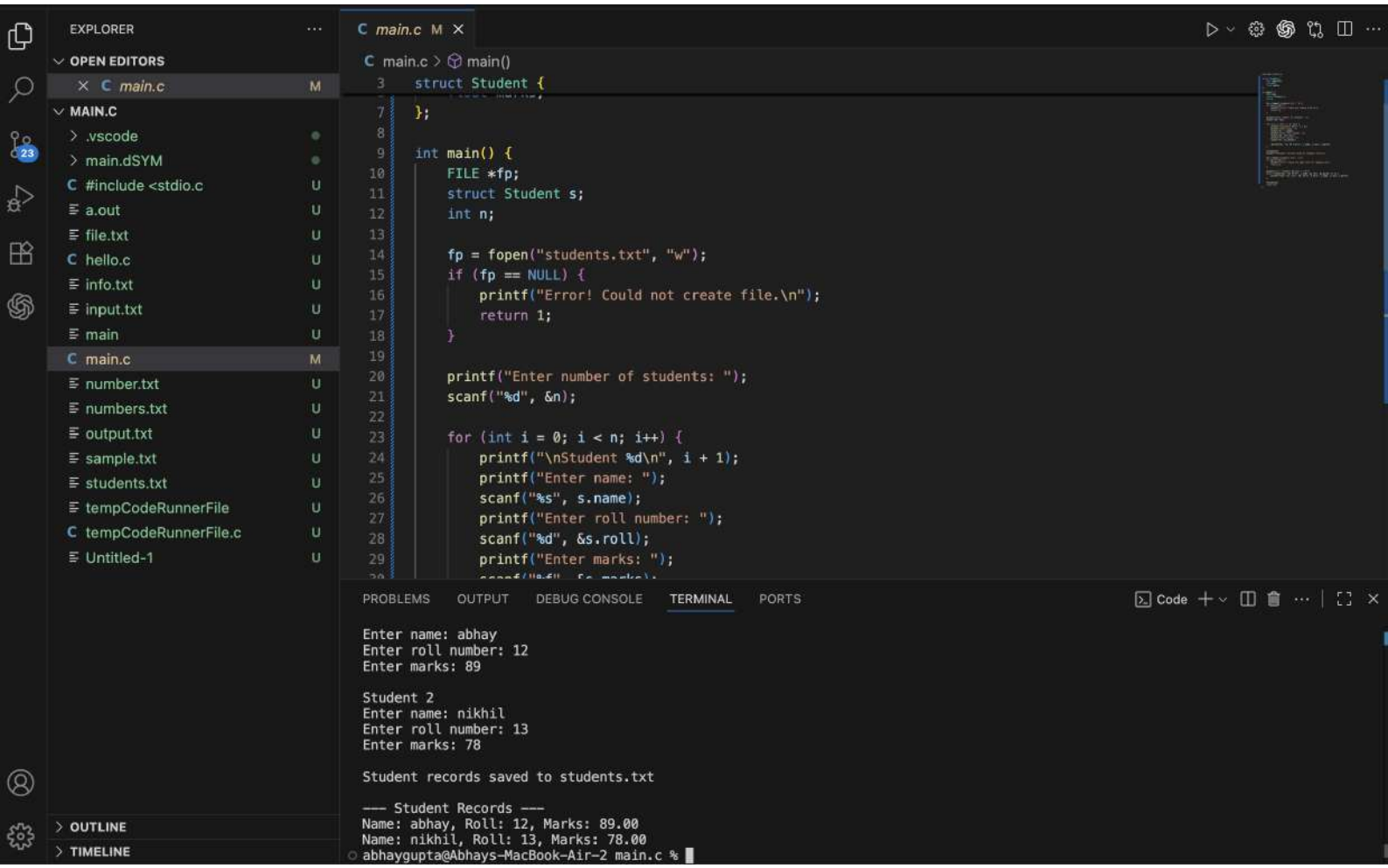

EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
file.txt U
hello.c U
info.txt U
main U
main.c M
sample.txt U
tempCodeRunnerFile U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
#include <stdio.h>
int main() {
FILE *fp;
char text[200];
fp = fopen("info.txt", "a");
if (fp == NULL) {
printf("Error! Could not open file.\n");
return 1;
}
printf("Enter text to append: ");
getchar();
fgets(text, sizeof(text), stdin);
fputs(text, fp);
fclose(fp);
printf("Text successfully appended to the file.\n");
return 0;
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Code
cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
abhaygupta@Abhays-MacBook-Air-2 main.c % cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
Enter text to append: abhay
Text successfully appended to the file.
abhaygupta@Abhays-MacBook-Air-2 main.c %


EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
file.txt U
hello.c U
info.txt 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() {
char filename[100];
FILE *fp;
char ch;
printf("Enter filename: ");
scanf("%s", filename);
fp = fopen(filename, "r");
if (fp == NULL) {
printf("Error! File does not exist or cannot be opened.\n");
return 1;
}
printf("\n--- File Content ---\n\n");
while ((ch = fgetc(fp)) != EOF) {
putchar(ch);
}
fclose(fp);
return 0;
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Code
cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
abhaygupta@Abhays-MacBook-Air-2 main.c % cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
Enter filename: file.txt
--- File Content ---
Name: abhay
Age: 19
abhaygupta@Abhays-MacBook-Air-2 main.c %


EXPLORER
OPEN EDITORS 1 unsaved
main.c M
#include <stdio.h> Untitled-1
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
file.txt U
hello.c U
info.txt U
input.txt U
main U
main.c M
output.txt U
sample.txt U
tempCodeRunnerFile U
tempCodeRunnerFile.c U
Untitled-1 U
OUTLINE
TIMELINE
main.c > main()
#include <stdio.h>
#include <ctype.h>
int main() {
FILE *inFile, *outFile;
int ch;
inFile = fopen("input.txt", "r");
if (inFile == NULL) {
printf("Error! Could not open input.txt\n");
return 1;
}
outFile = fopen("output.txt", "w");
if (outFile == NULL) {
printf("Error! Could not open output.txt\n");
fclose(inFile);
return 1;
}
while ((ch = fgetc(inFile)) != EOF) {
if (islower(ch))
ch = toupper(ch);
fputc(ch, outFile);
}
fclose(inFile);
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Code
cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
abhaygupta@Abhays-MacBook-Air-2 main.c % cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
Conversion completed! Check output.txt
abhaygupta@Abhays-MacBook-Air-2 main.c %


EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
file.txt U
hello.c U
info.txt U
input.txt U
main U
main.c M
output.txt U
sample.txt U
tempCodeRunnerFile U
tempCodeRunnerFile.c U
Untitled-1 U
OUTLINE
main.c M
main.c > main()
#include <stdio.h>
#include <ctype.h>
int main() {
FILE *fp;
char ch;
int vowels = 0, consonants = 0;
fp = fopen("input.txt", "r");
if (fp == NULL) {
printf("Error! Could not open file.\n");
return 1;
}
while ((ch = fgetc(fp)) != EOF) {
ch = tolower(ch);
if (ch >= 'a' && ch <= 'z') {
if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u')
vowels++;
else
consonants++;
}
}
fclose(fp);
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Code
cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
abhaygupta@Abhays-MacBook-Air-2 main.c % cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
Total Vowels: 6
Total Consonants: 9
abhaygupta@Abhays-MacBook-Air-2 main.c %


EXPLORER
OPEN EDITORS 1 unsaved
main.c M
#include <stdio.h> Untitled-1
MAIN.C
.vscode
main.dSYM
#include <stdio.c
a.out
file.txt
hello.c
info.txt
input.txt
main
main.c M
number.txt
numbers.txt
output.txt
sample.txt
tempCodeRunnerFile
tempCodeRunnerFile.c
Untitled-1
OUTLINE
main.c M
#include <stdio.h> Untitled-1
main.c > main()
int main() {
FILE *fp;
int num, sum = 0, count = 0;
float avg;
fp = fopen("numbers.txt", "r");
if (fp == NULL) {
printf("Error! Could not open numbers.txt\n");
return 1;
}
while (fscanf(fp, "%d", &num) == 1) {
sum += num;
count++;
}
fclose(fp);
if (count == 0) {
printf("No numbers found in file.\n");
return 0;
}
avg = (float)sum / count;
printf("Sum = %d\n", sum);
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Code
cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
abhaygupta@Abhays-MacBook-Air-2 main.c % cd "/Users/abhaygupta/main.c/" && gcc main.c -o main && "/Users/abhaygupta/main.c/"main
Sum = 2
Average = 2.00
abhaygupta@Abhays-MacBook-Air-2 main.c %


EXPLORER
OPEN EDITORS
main.c M
MAIN.C
.vscode
main.dSYM
#include <stdio.c U
a.out U
file.txt U
hello.c U
info.txt U
input.txt U
main U
main.c M
number.txt U
numbers.txt U
output.txt U
sample.txt U
students.txt U
tempCodeRunnerFile U
tempCodeRunnerFile.c U
Untitled-1 U
OUTLINE
TIMELINE
main.c M
main.c > main()
3 struct Student {
7 };
9 int main() {
10 FILE *fp;
11 struct Student s;
12 int n;
14 fp = fopen("students.txt", "w");
15 if (fp == NULL) {
16 printf("Error! Could not create file.\n");
17 return 1;
18 }
20 printf("Enter number of students: ");
21 scanf("%d", &n);
23 for (int i = 0; i < n; i++) {
24 printf("\nStudent %d\n", i + 1);
25 printf("Enter name: ");
26 scanf("%s", s.name);
27 printf("Enter roll number: ");
28 scanf("%d", &s.roll);
29 printf("Enter marks: ");
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Code
Enter name: abhay
Enter roll number: 12
Enter marks: 89
Student 2
Enter name: nikhil
Enter roll number: 13
Enter marks: 78
Student records saved to students.txt
--- Student Records ---
Name: abhay, Roll: 12, Marks: 89.00
Name: nikhil, Roll: 13, Marks: 78.00
abhaygupta@Abhays-MacBook-Air-2 main.c %