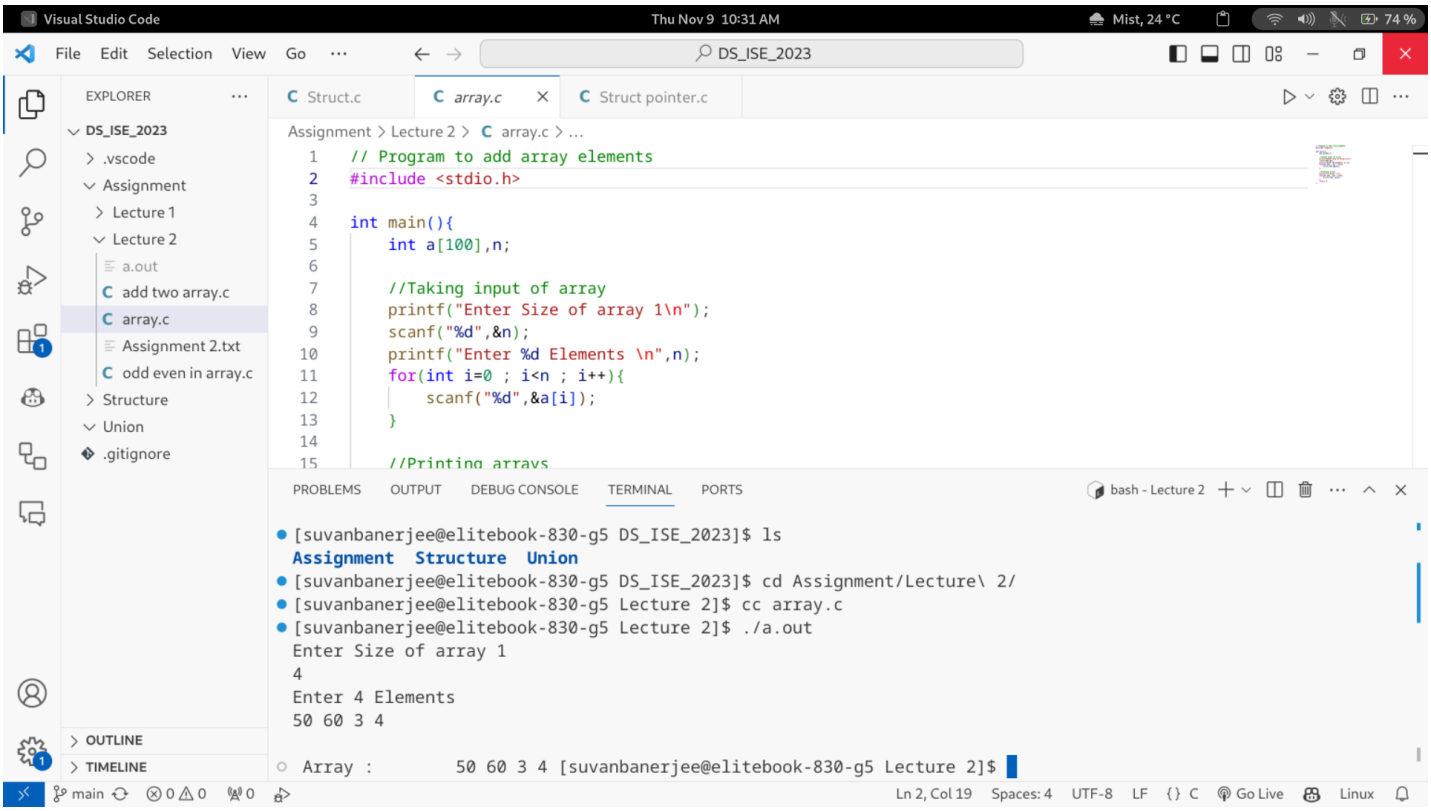
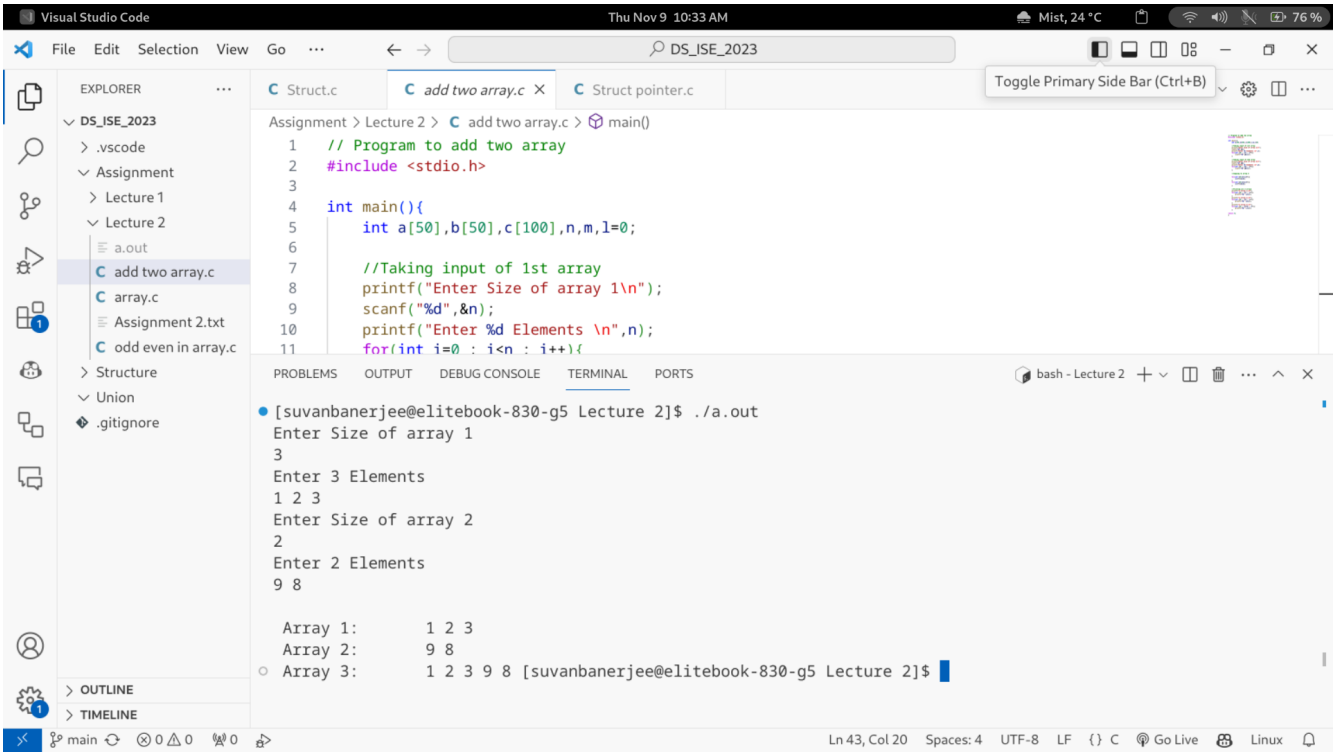
PROGRAM 1

```c
// Program to add array elements
#include <stdio.h>

int main(){
int a[100],n;

//Taking input of array
printf("Enter Size of array 1\n");
scanf("%d",&n);
printf("Enter %d Elements \n",n);
for(int i=0 ; i<n ; i++){
scanf("%d",&a[i]);
}

//Printing arrays
printf("\n Array :\t");
for(int i=0 ; i<n ; i++){
printf("%d ",a[i]);
}
return 0;
}
```



PROGRAM 2

```c
// Program to add two array
#include <stdio.h>

int main(){
int a[50],b[50],c[100],n,m,l=0;

//Taking input of 1st array
printf("Enter Size of array 1\n");
scanf("%d",&n);
printf("Enter %d Elements \n",n);
for(int i=0 ; i<n ; i++){
scanf("%d",&a[i]);
}

//Taking input of 2nd array
printf("Enter Size of array 2\n");
scanf("%d",&m);
printf("Enter %d Elements \n",m);
for(int i=0 ; i<m ; i++){
scanf("%d",&b[i]);
}

//Copying to array 3

for(int k=0;k<n;k++){
c[l++]=a[k];
}
for(int k=0;k<m;k++){
c[l++]=b[k];
}

//Printing all 3 arrays
printf("\n Array 1:\t");
for(int i=0 ; i<n ; i++){
printf("%d ",a[i]);
}
printf("\n Array 2:\t");
for(int i=0 ; i<m ; i++){
printf("%d ",b[i]);
}
printf("\n Array 3:\t");
for(int i=0 ; i<n+m ; i++){
printf("%d ",c[i]);
}

return 0;
}
```


Visual Studio Code
Thu Nov 9 10:33 AM
Mist, 24 °C
76 %
File Edit Selection View Go
DS_ISE_2023
Toggle Primary Side Bar (Ctrl+B)
EXPLORER
DS_ISE_2023
.vscode
Assignment
Lecture 1
Lecture 2
a.out
add two array.c
array.c
Assignment 2.txt
odd even in array.c
Structure
Union
.gitignore
Struct.c
add two array.c
Struct pointer.c
Assignment > Lecture 2 > add two array.c > main()
1 // Program to add two array
2 #include <stdio.h>
3
4 int main(){
5 int a[50],b[50],c[100],n,m,l=0;
6
7 //Taking input of 1st array
8 printf("Enter Size of array 1\n");
9 scanf("%d",&n);
10 printf("Enter %d Elements \n",n);
11 for(int i=0 ; i<n ; i++){
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
bash - Lecture 2
[suvanbanerjee@elitebook-830-g5 Lecture 2]$ ./a.out
Enter Size of array 1
3
Enter 3 Elements
1 2 3
Enter Size of array 2
2
Enter 2 Elements
9 8
Array 1: 1 2 3
Array 2: 9 8
Array 3: 1 2 3 9 8 [suvanbanerjee@elitebook-830-g5 Lecture 2]$
OUTLINE
TIMELINE
main
Ln 43, Col 20 Spaces: 4 UTF-8 LF C Go Live Linux

PROGRAM 3

```c
// Program to add odd and even in an array
#include <stdio.h>

int main(){
int a[100],n,odd=0,even=0;

//Taking input of array
printf("Enter Size of array 1\n");
scanf("%d",&n);
printf("Enter %d Elements \n",n);
for(int i=0 ; i<n ; i++){
scanf("%d",&a[i]);
}

//Calculating sum
for(int i=0 ; i<n ; i++){
if (a[i]%2==0) even+=a[i];
else odd+=a[i];
}

printf("Sum of Even = %d\nSum of Odd = %d",even,odd);

return 0;
}
```