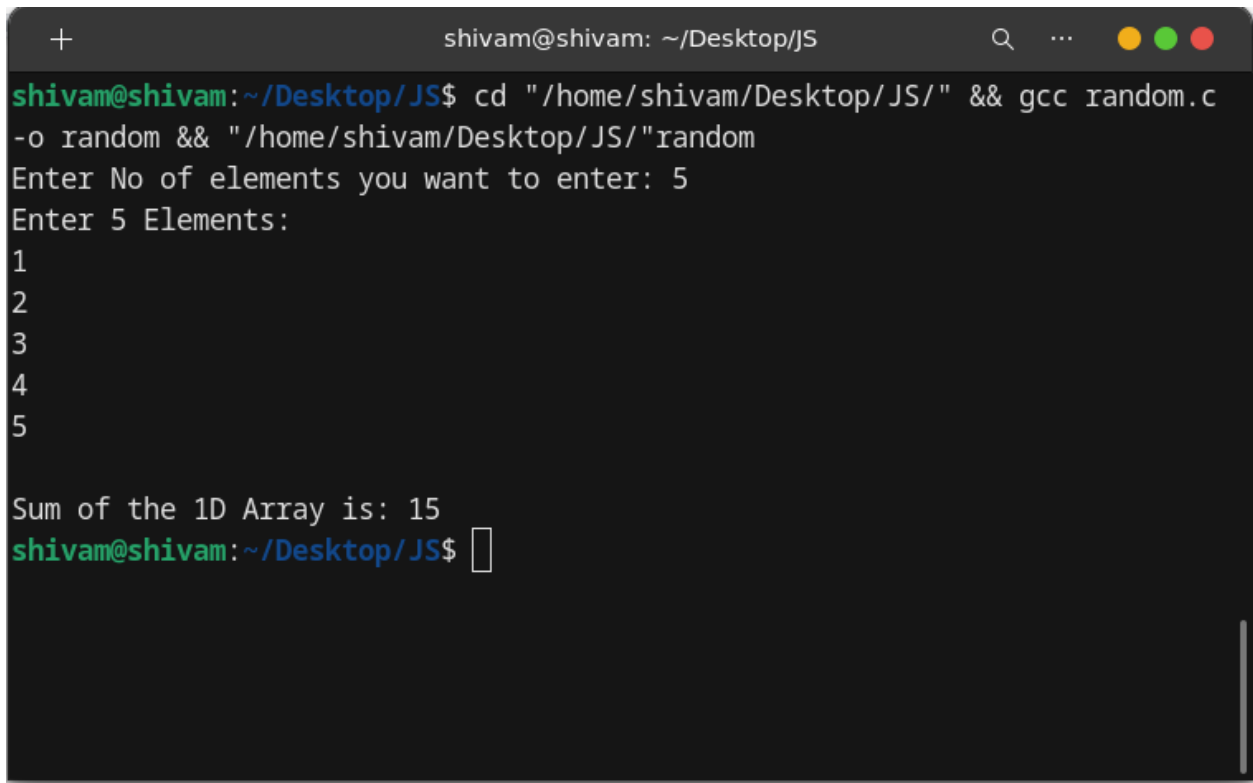


Program 1: Write a program to perform operations on 1D array

Code:

```
#include<iostream>
int main(){
    int i, j, n, s=0, arr[10];
    cout<<"Enter No of elements you want to enter: ";
    cin>>n;
    cout<<"Enter " <<n<<"Elements:\n";
    for(i=0;i<n;i++){
        cin>>arr[i];
        s+=arr[i];
    }
    cout<<"\nSum of the 1D Array is:"<<s<<endl;
    return 0;
}
```

Output:

A terminal window with a dark background and light text. The title bar at the top shows a plus icon, the text 'shivam@shivam: ~/Desktop/JS', a search icon, and three colored window control buttons (yellow, green, red). The terminal content shows a user running a C program. The prompt is 'shivam@shivam:~/Desktop/JS\$'. The user enters 'cd "/home/shivam/Desktop/JS/" && gcc random.c -o random && "/home/shivam/Desktop/JS/"random'. The program prompts 'Enter No of elements you want to enter: 5', and the user enters '5'. The program then prompts 'Enter 5 Elements:', and the user enters '1', '2', '3', '4', and '5' on separate lines. The program outputs 'Sum of the 1D Array is: 15'. The terminal ends with the prompt 'shivam@shivam:~/Desktop/JS\$' and a cursor.

```
shivam@shivam:~/Desktop/JS$ cd "/home/shivam/Desktop/JS/" && gcc random.c
-o random && "/home/shivam/Desktop/JS/"random
Enter No of elements you want to enter: 5
Enter 5 Elements:
1
2
3
4
5

Sum of the 1D Array is: 15
shivam@shivam:~/Desktop/JS$
```

## Program 2: Write a Program to perform operations on 2D Array

Code:

```
#include<iostream>
int main(){
    int i, j, r, c, s=0, arr[10][10];
    cout<<"Enter No of rows and columns you want to enter: ";
    cin>>r>>c;
    for(i=0;i<r;i++){
        for(j=0;j<c;j++){
            cin>>arr[i][j];
            s+=arr[i][j];
        }
    }
    cin<<"\nEntered Array is \n\n";
    for(i=0;i<r;i++){
        for(j=0;j<c;j++){
            cout<<arr[i][j];

        }
        cout<<endl;
    }
    cout<<"\nSum of the 2D Array is: "<<s<<endl;
    return 0;
}
```

Output:

```
shivam@shivam: ~/Desktop/JS
shivam@shivam:~/Desktop/JS$ cd "/home/shivam/Desktop/JS/" && gcc random.c
-o random && "/home/shivam/Desktop/JS/"random
Enter No of rows and columns you want to enter: 3 3
1
2
3
4
5
6
7
8
9

Entered Array is

1 2 3
4 5 6
7 8 9

Sum of the 2D Array is: 45
shivam@shivam:~/Desktop/JS$
```