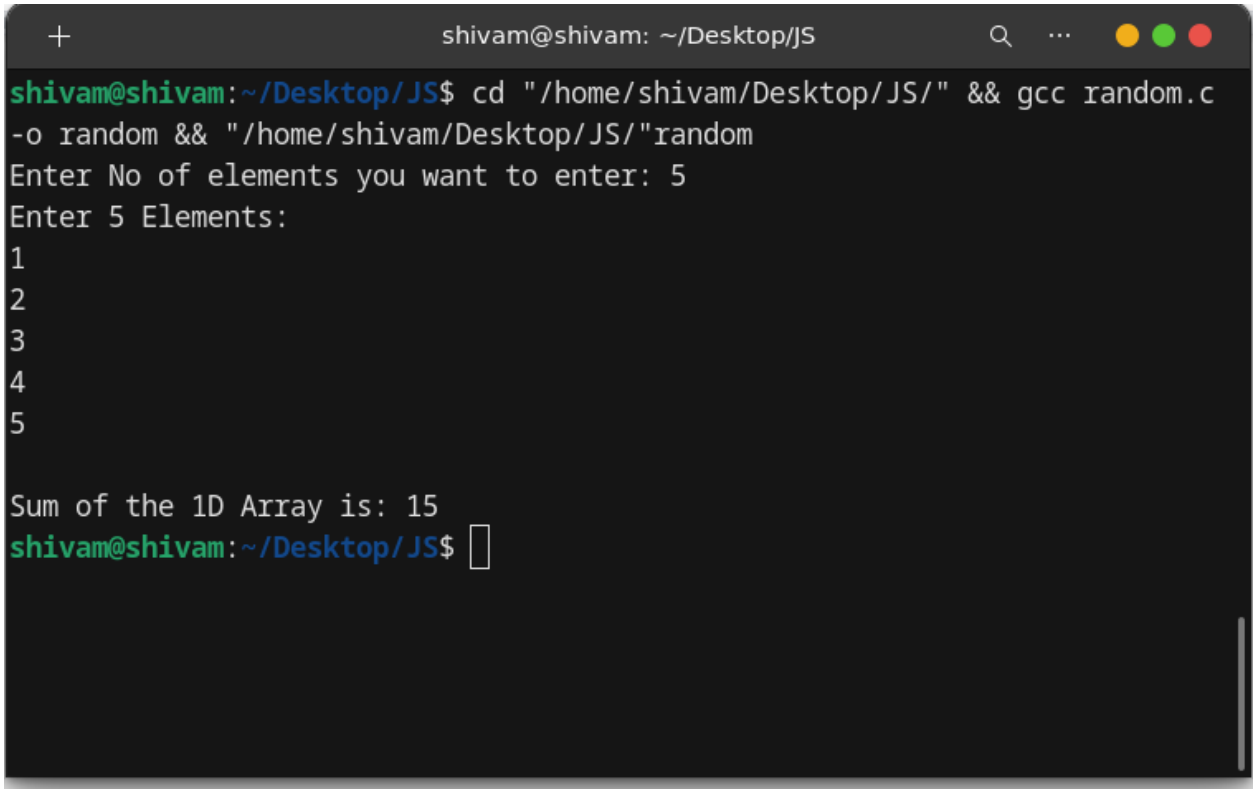
Program 1: Write a program to perform operations on 1D array

Code:

```
#include<stdio.h>
int main(){
        int i, j, n, s=0, arr[10];
   printf("Enter No of elements you want to enter: ");
   scanf("%d", &n);
   printf("Enter %d Elements:\n",n);
   for(i=0;i<n;i++){
      scanf("%d",&arr[i]);
      s+=arr[i];
   }
   printf("\nSum of the 1D Array is: %d\n",s);
        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 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$

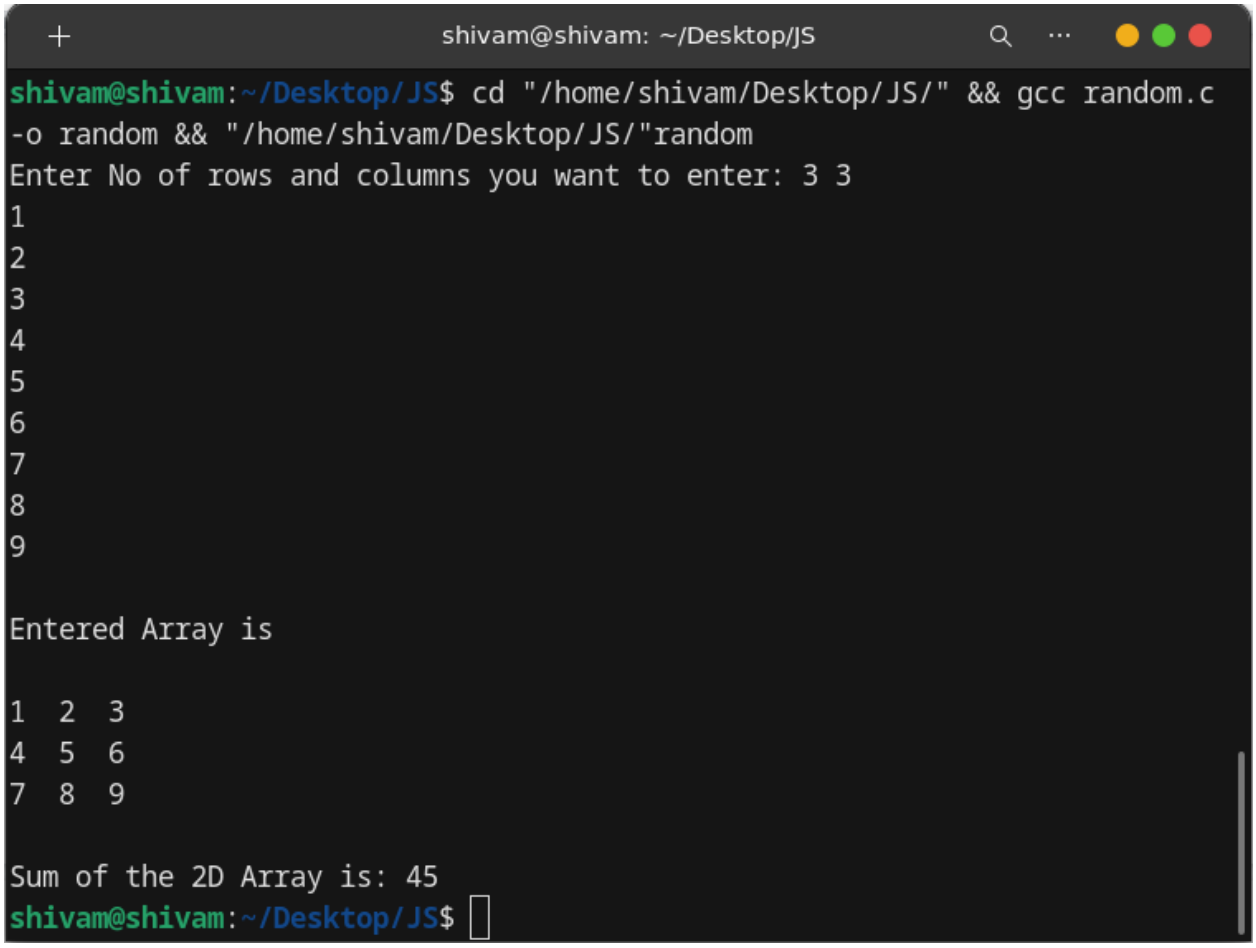
Program 2: Write a Program to perform operations on 2D Array

Code:

```
#include<stdio.h>
int main(){
        int i, j, r, c, s=0, arr[10][10];
   printf("Enter No of rows and columns you want to enter: ");
   scanf("%d%d", &r,&c);
   for(i=0;i<r;i++){
      for(j=0;j<c;j++){
         scanf("%d",&arr[i][j]);
         s+=arr[i][j];
      }
   }
   printf("\nEntered Array is \n\n");
   for(i=0;i<r;i++){
      for(j=0;j<c;j++){
         printf("%d  ",arr[i][j]);

      }
      printf("\n");
   }
   printf("\nSum of the 2D Array is: %d\n",s);
        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$