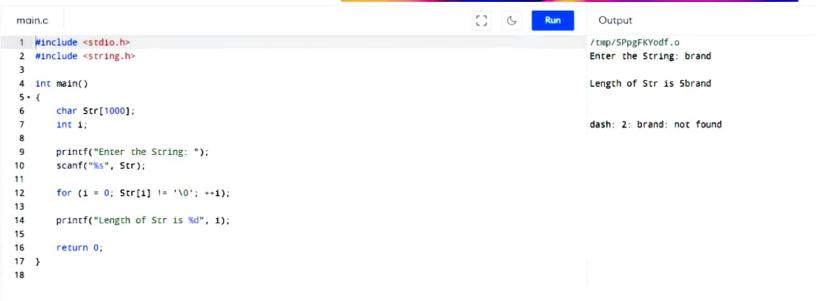
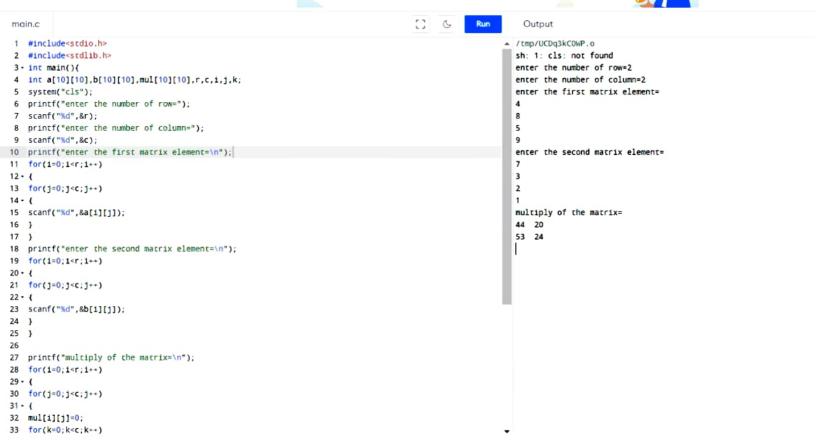
```
[]
                                                                                           C
                                                                                                   Run
                                                                                                             Output
main.c
   #include <stdio.h>
                                                                                                           /tmp/b15r9DVEUf.o
   #include <string.h>
                                                                                                           Enter any string: gowtham
                                                                                                           original string s1='gowtham'
   void stringcopy(char *s1,char *s2)
                                                                                                           copied string s2='gowtham'
 5 - {
       int i;
       for(1=0; s2[1]=s1[1];1++);
       s2[1]='\0';
10
11
12 }
13 int main()
14 - {
15
       char s1[1000],s2[1000];
16
       int 1;
17
18
       printf("Enter any string: ");
       gets(s1);
19
20
       stringcopy(s1,s2);
21
22
       printf("original string s1='%s'\n",s1);
23
       printf("copied string s2='%s'",s2);
24
       return 0;
25 }
```

```
(4
main.c
                                                                                                    Run
                                                                                                              Output
   #include <stdio.b>
                                                                                                             /tmp/b15r9DVEUf.o
 2 int main()
                                                                                                             Enter number of elementsn5
 3 - {
                                                                                                             Enter 5 integersn2
4 int i. low, high, mid, n. kev, array[100]:
                                                                                                             3
   printf("Enter number of elementsn"):
   scanf("%d",&n):
   printf("Enter %d integersn", n);
  for(i = 0; i < n; i++)
                                                                                                             Enter value to findn7
   scanf("%d".&arrav[i]):
                                                                                                             7 found at location 5.n
   printf("Enter value to findn");
   scanf("%d", &key);
12 low = 0:
   high = n - 1;
14 mid = (low+high)/2;
15 - while (low <= high) {
   if(array[mid] < key)
   low = mid + 1:
18 - else if (array[mid] == key) {
   printf("%d found at location %d.n", key, mid+1);
   break;
   else
23 high = mid - 1;
   mid = (low + high)/2;
25
  if(low > high)
   printf("Not found! %d isn't present in the list.n", key);
   return 0;
   }
29
```

```
5
                                                                                                    Run
                                                                                                              Output
main.c
 1 #include <stdio.h>
                                                                                                            /tmp/SPpgFKYodf.o
 2 int main()
                                                                                                            ZOOZ
 3 - {
                                                                                                            String Before Reverse: zooz
      char str[1000], rev[1000];
                                                                                                            String After Reverse: zooz%
      int 1, j, count = 0;
      scanf("%s", str);
      printf("\nString Before Reverse: %s", str);
      //finding the length of the string
      while (str[count] != '\0')
10 -
        count++;
12
13
      1 = count - 1:
14
15
      //reversing the string by swapping
16
      for (i = 0; i < count; i++)
17 -
18
       rev[i] = str[j];
19
       1--;
20
21
      printf("\nString After Reverse: %s", rev);
23 }
```





```
:3
                                                                                             0
main.c
                                                                                                     Run
                                                                                                               Output
   #include <stdio.h>
                                                                                                           /tmp/gP9m2prkfb.o
                                                                                                             Enter number of elements
                                                                                                             5
 3 int main()
                                                                                                             Enter 5 integers
      int array[100], n, c, d, swap;
                                                                                                             23
                                                                                                             9
      printf("Enter number of elements\n");
                                                                                                             12
      scanf("%d", &n);
                                                                                                             3
 9
10
      printf("Enter %d integers\n", n);
                                                                                                             Sorted list in ascending order:
11
12
      for (c = 0; c < n; c++)
                                                                                                             3
13
       scanf("%d", &array[c]);
                                                                                                              9
14
                                                                                                             12
15
                                                                                                             23
      for (c = 0 ; c < n - 1; c++)
16 -
17
        for (d = 0; d < n - c - 1; d++)
18 -
19
          if (array[d] > array[d+1])
20 -
21
            swap
                       = array[d];
22
           array[d] = array[d+1];
23
           array[d+1] = swap;
24
         }
25
26
27
28
      printf("Sorted list in ascending order:\n");
29
30
      for (c = 0; c < n; c++)
31
        printf("%d\n", array[c]);
32
33
      return 0;
```

```
main.c
                                                                                                      Run
                                                                                                                Output
   #include <stdio.h>
                                                                                                              /tmp/Djj1pdpnhB.o
 2 #include <string.h>
                                                                                                              Enter a string:wow
                                                                                                              wow is a palindrome
 3
4 - int main(){
        char string1[20];
        int i, length;
        int flag = 0;
 9
        printf("Enter a string:");
10
        scanf("%s", string1);
11
12
        length = strlen(string1);
13
14 -
        for(i=0;i < length ;i++){
15 -
            if(string1[i] != string1[length-i-1]){
16
                flag = 1;
                break:
17
18
19
20
21 -
        if (flag) {
22
            printf("%s is not a palindrome", string1);
23
        }
24 -
        else {
25
            printf("%s is a palindrome", string1);
26
27
        return 0;
28 }
```