```
[] 🔅
                                              ∝ Share
                                                           Run
                                                                     Output
                                                                                                                                Clear
main.c
1 #include <stdio.h>
                                                                   Enter rows and columns of first matrix: 2 2
                                                                   Enter rows and columns of second matrix: 2 2
3 int main() {
                                                                   Enter elements of first matrix:
       int m, n, p, q;
                                                                   4 5
       printf("Enter rows and columns of first matrix: ");
       scanf("%d %d", &m, &n);
                                                                   Enter elements of second matrix:
                                                                  6 7
       scanf("%d %d", &p, &q);
                                                                   8 9
                                                                   Resultant Matrix:
       if (n != p) {
                                                                   30 34
                                                                   64 73
           printf("Matrix multiplication not possible!\n");
       int a[m][n], b[p][q], c[m][q];
       printf("Enter elements of first matrix:\n");
```

```
[]
                                              ∝ Share
                                                                                                                                 Clear
main.c
                                                            Run
                                                                     Output
                                                                    Enter how many numbers you want to check: 4
2 int main() {
                                                                    Enter 4 numbers:
       int n;
       printf("Enter how many numbers you want to check: ");
                                                                   6
       int arr[n];
       printf("Enter %d numbers:\n", n);
                                                                    Result:
       for (int i = 0; i < n; i++) {
                                                                   4 is Even
          scanf("%d", &arr[i]);
                                                                   5 is Odd
                                                                   6 is Even
       printf("\nResult:\n");
                                                                   7 is Odd
       for (int i = 0; i < n; i++) {
           if (arr[i] % 2 == 0)
              printf("%d is Even\n", arr[i]);
              printf("%d is Odd\n", arr[i]);
```

```
[] ※
                                                 ∝ Share
main.c
                                                               Run
                                                                         Output
                                                                                                                                       Clear
1 #include <stdio.h>
                                                                      Enter the number of terms: 5
2 int main() {
                                                                       Fibonacci Series: 0 1 1 2 3
        int n, first = 0, second = 1, next;
       scanf("%d", &n);
if (n <= 0) {
 6
            printf("Please enter a positive number.\n");
10
        for (int i = 1; i \ll n; i++) {
           printf("%d ", first);
            next = first + second;
14
            first = second;
15
            second = next;
16
       printf("\n");
```

```
[]
                                               ∝ Share
main.c
                                                            Run
                                                                      Output
                                                                                                                                 Clear
1 #include <stdio.h>
                                                                   Enter a number: 5
2 unsigned long long factorial(int n) {
                                                                    Factorial of 5 = 120
       if (n == 0 || n == 1)
           return n * factorial(n - 1);
8 - int main() {
       int num;
       printf("Enter a number: ");
       scanf("%d", &num);
       if (num < 0)
13
           printf("Factorial is not defined for negative numbers
           printf("Factorial of %d = %llu\n", num, factorial(num));
16
```

```
[] ÷
                                               ∝ Share
                                                                      Output
                                                                                                                                  Clear
main.c
                                                            Run
                                                                    Enter the number of terms: 6
2 int fibonacci(int n) {
                                                                     Fibonacci Series: 0 1 1 2 3 5
4
           return fibonacci(n - 1) + fibonacci(n - 2);
10 - int main() {
       int n;
       printf("Enter the number of terms: ");
       scanf("%d", &n);
       if (n \le 0) {
           printf("Please enter a positive number.\n");
18
```

```
∝ Share
                                        -ò:
                                                             Run
                                                                       Output
main.c
                                                                                                                                    Clear
                                                                     Enter number of elements: 5
                                                                      Enter 5 elements:
                                                                      5 6 4 2 7
3 int main() {
       int arr[SIZE], n, choice, pos, value;
       printf("Enter number of elements: ");
                                                                     --- Array Operations Menu ---
       scanf("%d", &n);
                                                                      1. Display
       printf("Enter %d elements:\n", n);
                                                                      2. Insert
       for (int i = 0; i < n; i++)
                                                                      3. Delete
                                                                      4. Exit
           scanf("%d", &arr[i]);
10
       while (1) {
                                                                     Enter your choice: 2
                                                                      Enter position (1 to 6): 4
                                                                      Enter value to insert: 2
                                                                      Value inserted.
           printf("3. Delete\n");
                                                                      --- Array Operations Menu ---
           printf("Enter your choice: ");
                                                                      1. Display
16
           scanf("%d", &choice);
                                                                      2. Insert
           switch (choice) {
                                                                      3. Delete
```

```
[] ※
                                               ∝ Share
                                                                      Output
                                                            Run
                                                                                                                                  Clear
main.c
                                                                    Enter number of elements: 4
                                                                     Enter 4 elements:
2 int main() {
       int n, key, found = 0;
                                                                    5 6 7 8
       printf("Enter number of elements: ");
                                                                     Enter number to search: 6
       scanf("%d", &n);
                                                                    Element 6 found at position 2
       int arr[n];
       printf("Enter %d elements:\n", n);
           scanf("%d", &arr[i]);
       printf("Enter number to search: ");
       scanf("%d", &key);
           if (arr[i] == key) {
               printf("Element %d found at position %d\n", key, i +
               found = 1;
```

